

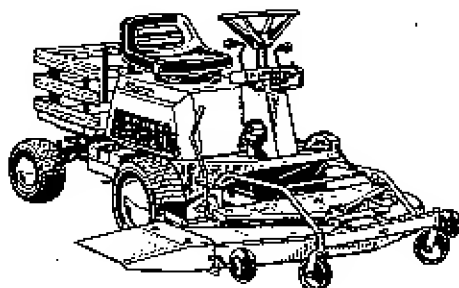
# SunRunner SERIES

Front-Cut Riding Mower  
Hydrostatic Drive

12 HP Front-Cut Mower  
Mfg. No. 1691331

42" Mower  
Mfg. No. 1691199

36" Mower  
Mfg. No. 1691332



# PARTS MANUAL

***Simplicity***

## Product Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for quick, future reference.

Product Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_ Mower Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_

## Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation **C** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation **M** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

**NOTE:** Specifications may change without notice.

**SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT**  
These genuine *Simplicity* products will help the owner extend the life of his equipment.

## OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

**Special Worm Gear (Reticul) Oil** for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. **Case of 12 Quarts, Part #1685100, Individual Quarts 118065.**

**Multi-Purpose Hydraulic/Transmission Oil** for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific *Simplicity* applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) **Case of 12 Quarts, Part #1685516, 2½ Gallon Container, Part #1685539.**

**2-Cycle Engine Oil**, a premium lubricant for all 2-cycle air-cooled engines. **Case of 12 Part #1685517.**

**SAE 5W 30 SF/CD Cold Weather Engine Oil** for use in all four cycle and diesel engines at 30° temp. and under. **Case of 12 Quarts, Part # 1685576.**

**SAE 15W40 SF/CD Engine Oil** for gas and diesel engines, warm weather; see engine manufacturer recommendations. **Case of 12 Quarts, Part #1685554.**

**Grease Gun Kit** has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease, **Part #1685510.** For replacement tube, order **Part # 103077.**

**Pneumatic Tire Seal**, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

Case of 12 - 11 Oz. Tubes                      1685537  
Case of 24 - 11 Oz. Tubes                      1685525  
5 Gallon Pail                                        1685527

**Touch-Up Paint** keeps equipment in showroom condition.

Spray Cans	Quarts	Daubbers 12/Ctn.
*Simplicity Orange - 103262 (12 cans/1685179)	1685037	1685520 - Mixed (6 Simp. Orange, 6 White)
**Classic Orange - 1685558 (12 cans/1685559)	1685560	1685562 - Mixed (6 Classic Orange, 6-White)
White 103049 (12 cans/1685178)	1685032	1685562 - Mixed (6-Classic Orange, 6-White) 1685520 - Mixed (6-Simp. Orange, 6-White)
Black - 1685551 (12 Cans/1685552)	N.A.	N.A.
*For 1977 thru early 1986 products. **For products produced after 12/1/85.		

**Simplicity Designer Seat Covers** are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

• Small Cover for 4000, 5000, & 6100 Tractors	1685540
• Large Cover for 6200, 7000 & 9000 Tractors	1685541
• SunStar Seat Cover	1685577

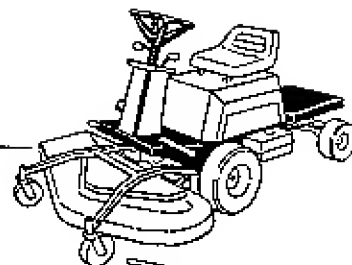
**Extend Equipment Life - Use Only Genuine *Simplicity* Parts**

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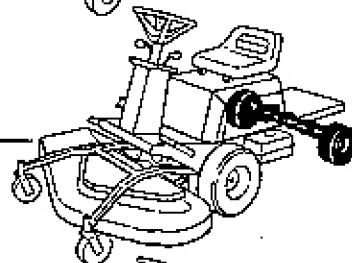
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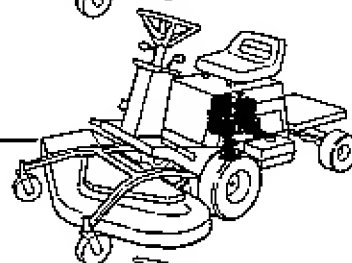
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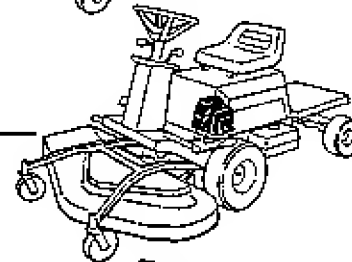
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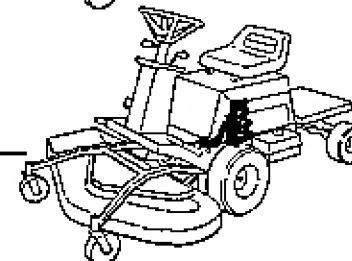
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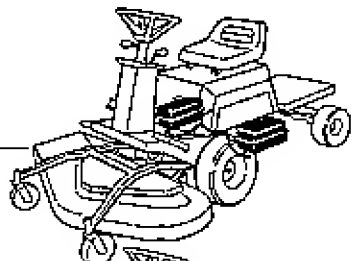
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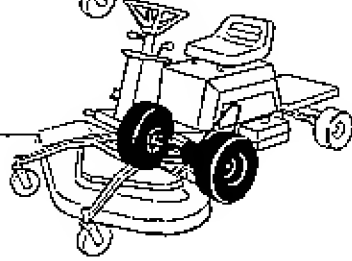
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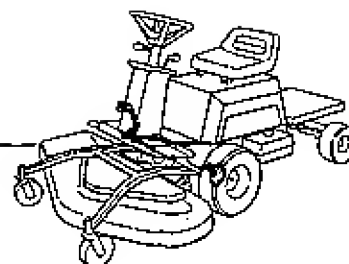
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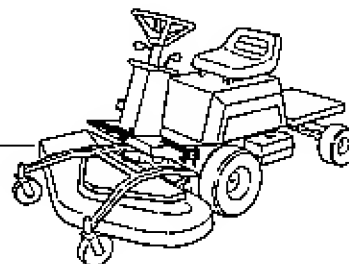
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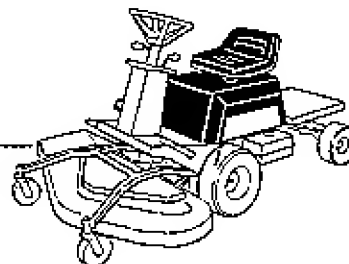
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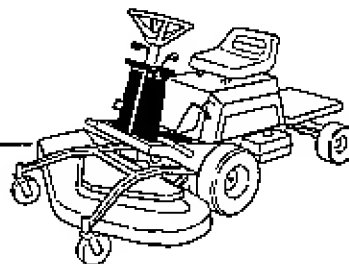
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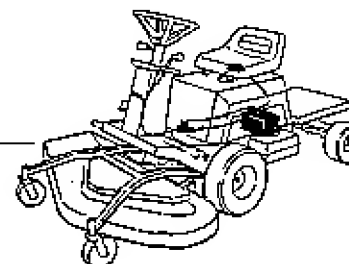
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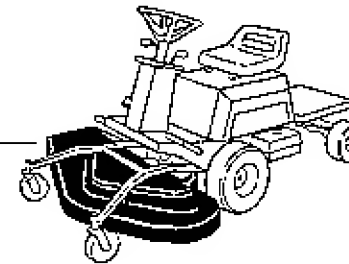
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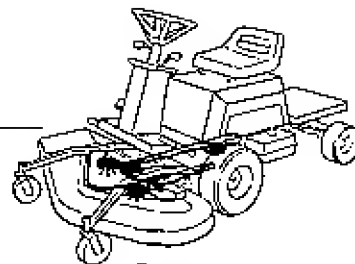
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**42" MOWER DECK & ARBOR GROUP**

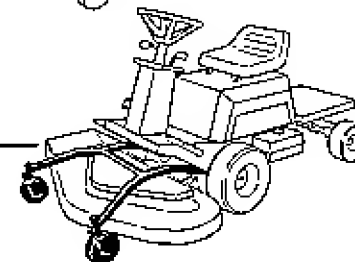
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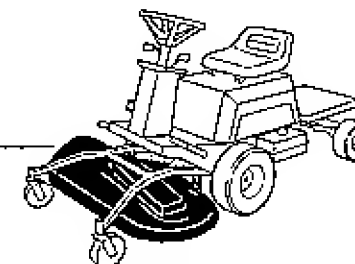
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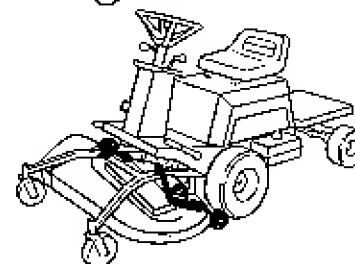
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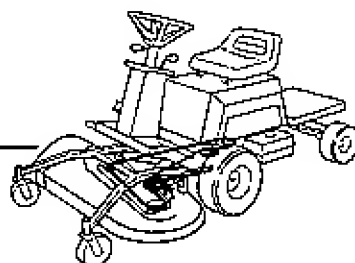
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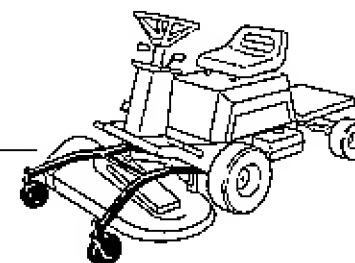
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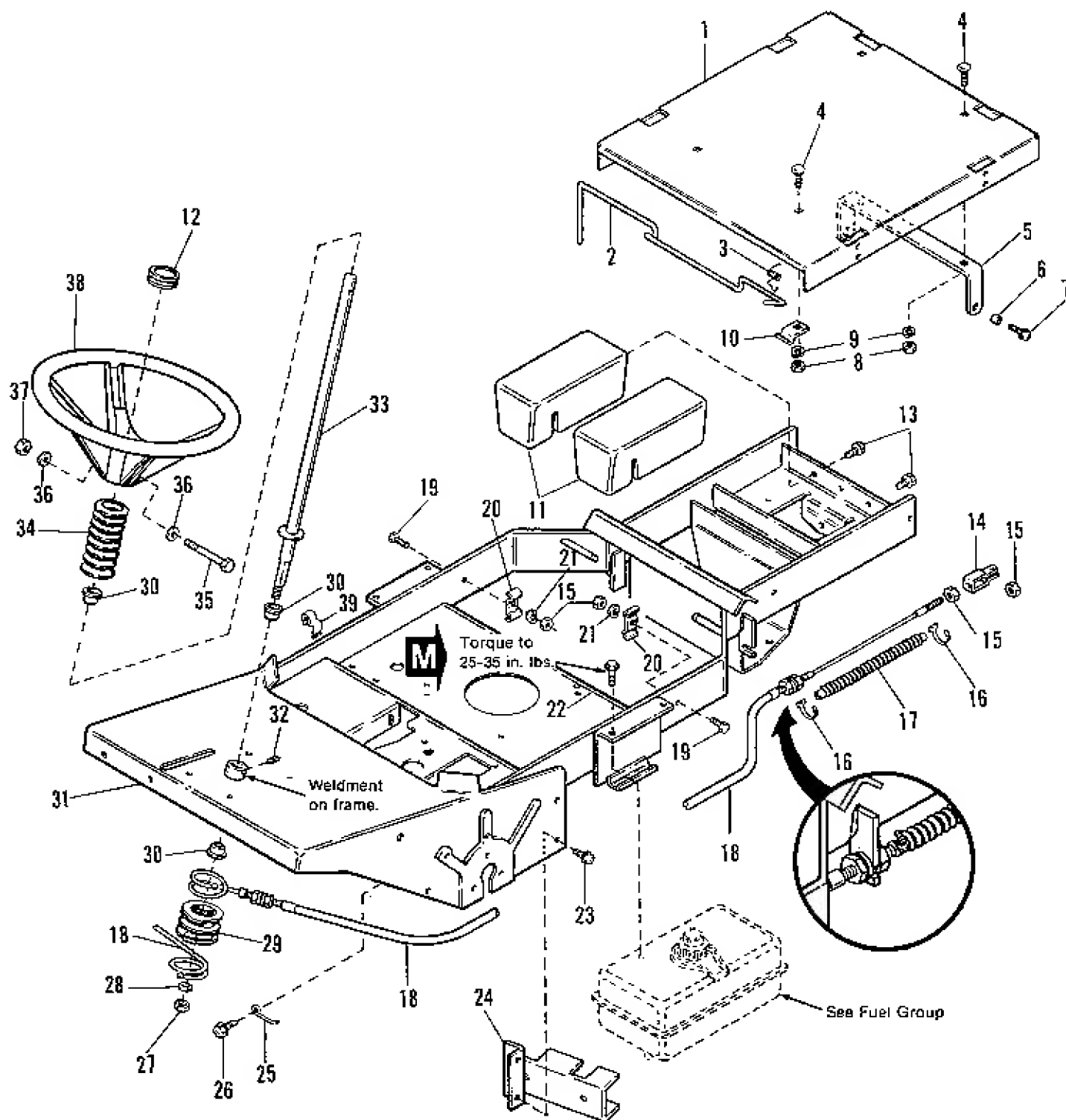
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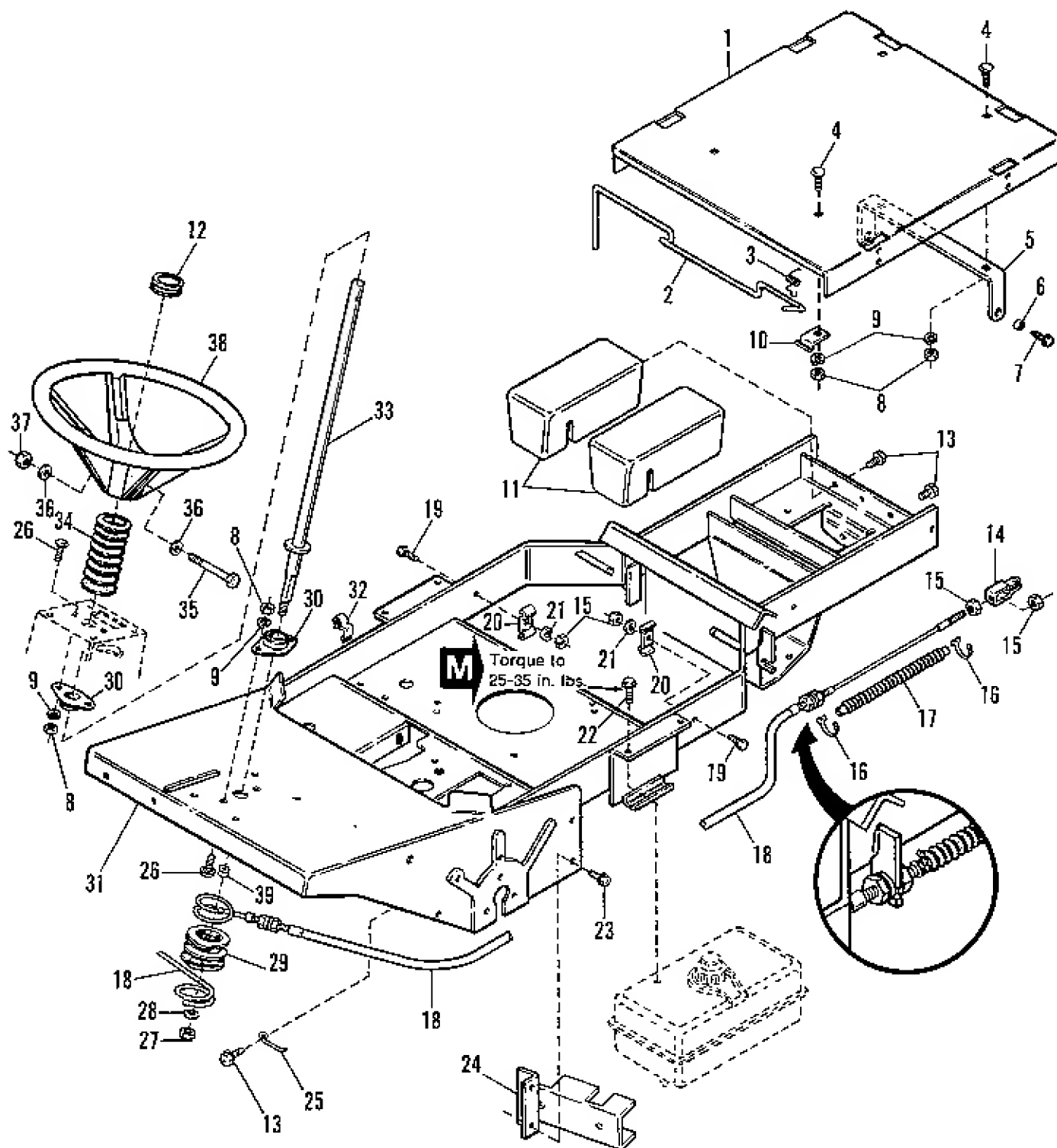
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NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1678367	1	PLATFORM
2	1678389	1	ROD, Latch, Platform
3	1678390	1	SPRING, Torsion, Latch Rod
4	1931333	4	BOLT, Carriage, 5/16-18 x 3/4
5	1678368	1	BRACKET, Pivot, Platform
6	108717	2	SPACER, Pivot Bracket
7	1923683	2	CAPSCREW, Taptite, 3/8-16 x 3/4
8	1917372	4	NUT, Hex, 5/16-18
9	1917356	4	LOCKWASHER, 5/16
10	1664004	2	CLIP, Latch Rod
11		2	WEIGHT, Rear (Order Mfg. No. 1691293 thru Wholegoods)
12	1657017	1	CAP, Steering Wheel
13	1925359	2	SCREW, Taptite, 5/16-18 x 3/4
14	1678377	2	CLEVIS, Steering Cable
15	1916622	6	NUT, Hex, 1/4-20
16	925094	4	TIE, Steering Cable Boot, Self-locking
17	1700048	2	BOOT, Rubber, Steering Cable
18	1701151	2	CABLE, Steering
19	1921960	2	CAPSCREW, 1/4-20 x 1
20	1701700	2	CLAMP, Steering Cable
21	1916964	2	LOCKWASHER, 1/4
22	1678380	4	SCREW, Special, Fuel Tank
23	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
24	1678449	2	SUPPORT ASSY., Fuel Tank
25	1678424	2	RETAINER, Steering Cable
26	1664847	2	CAPSCREW, Taptite, 5/16-18 x 3/4
27	1960355	1	LOCKNUT, 1/2-13, ESNA, Heavy
28	1924361	1	WASHER, 1/2
29	1678244	1	DRUM, Steering Shaft
30	176440	3	BUSHING, Nylon, Steering Shaft
31	1685380	1	FRAME ASSY. KIT
32	921133	1	FITTING, Lube
33	1678310	1	STEERING SHAFT ASSY.
34	1678381	1	TUBE, Cover, Steering Shaft
35	1925690	1	CAPSCREW, 5/16-18 x 3-1/2
36	1919326	2	WASHER, 5/16
37	1923362	1	NUT, 5/16-18 Centerlock
38	1670989	1	STEERING WHEEL
39	172436	2	CLIP, Steering Cable

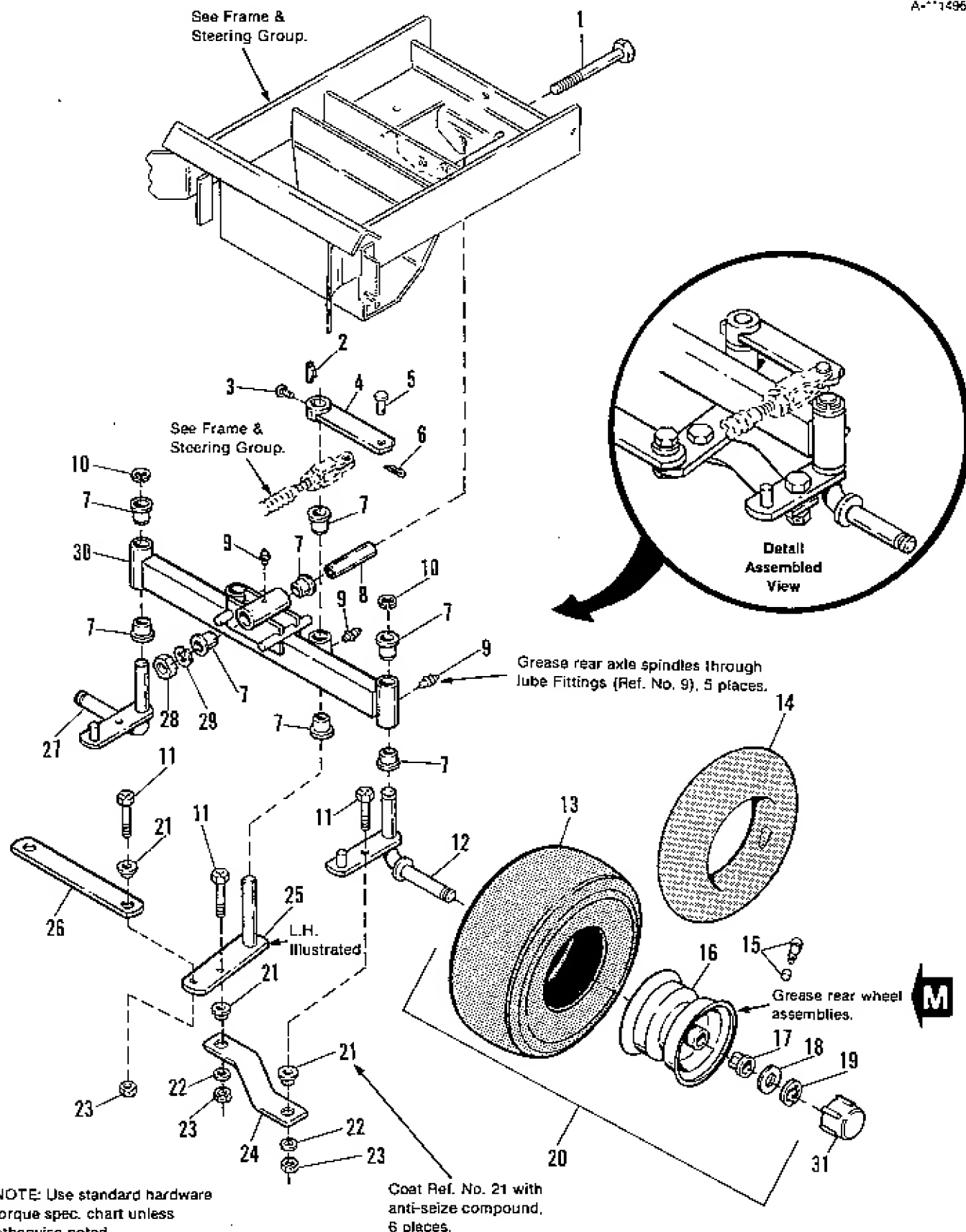
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NOTE: Use standard hardware  
torque spec. chart unless  
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1678367	1	PLATFORM
2	1678389	1	ROD, Latch, Platform
3	1678390	1	SPRING, Torsion, Latch Rod
4	1931333	4	BOLT, Carriage, 5/16-18 x 3/4
5	1678368	1	BRACKET, Pivot, Platform
6	108717	2	SPACER, Pivot Bracket
7	1923683	2	CAPSCREW, Taptite, 3/8-16 x 3/4
8	1917372	8	NUT, Hex, 5/16-18
9	1917356	8	LOCKWASHER, 5/16
10	1664004	2	CLIP, Latch Rod
11		2	WEIGHT, Rear (Order Mfg. No. 1691293 thru Wholegoods)
12	1657017	1	CAP, Steering Wheel
13	1664847	4	SCREW, Taptite, 5/16-18 x 3/4
14	1678377	2	CLEVIS, Steering Cable
15	1916622	6	NUT, Hex, 1/4-20
16	925094	4	TIE, Steering Cable Boot, Self-locking
17	1700048	2	BOOT, Rubber, Steering Cable
18	1701151	2	CABLE, Steering
19	1921960	2	CAPSCREW, 1/4-20 x 1
20	1701700	2	CLAMP, Steering Cable
21	1916964	2	LOCKWASHER, 1/4
22	1678380	4	SCREW, Special, Fuel Tank
23	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
24	1678449	2	SUPPORT ASSY., Fuel Tank
25	1678424	1	RETAINER, Steering Cable
26	1960282	4	CARRIAGE BOLT, 5/16-18 x 3/4
27	1960355	1	LOCKNUT, 1/2-13, ESNA, Heavy
28	1924361	1	WASHER, 1/2
29	1678244	1	DRUM, Steering Shaft
30	1702385	2	BEARING, Flange
31	1685360	1	FRAME ASSY.
32	172436	1	CLIP, Cable
33	1702704	1	STEERING SHAFT ASSY.
34	1678381	1	TUBE, Cover, Steering Shaft
35	1925690	1	CAPSCREW, 5/16-18 x 3-1/2
36	1919326	2	WASHER, 5/16
37	1923362	1	NUT, 5/16-18 Centerlock
38	1670989	1	STEERING WHEEL
39	1702195	1	SPACER

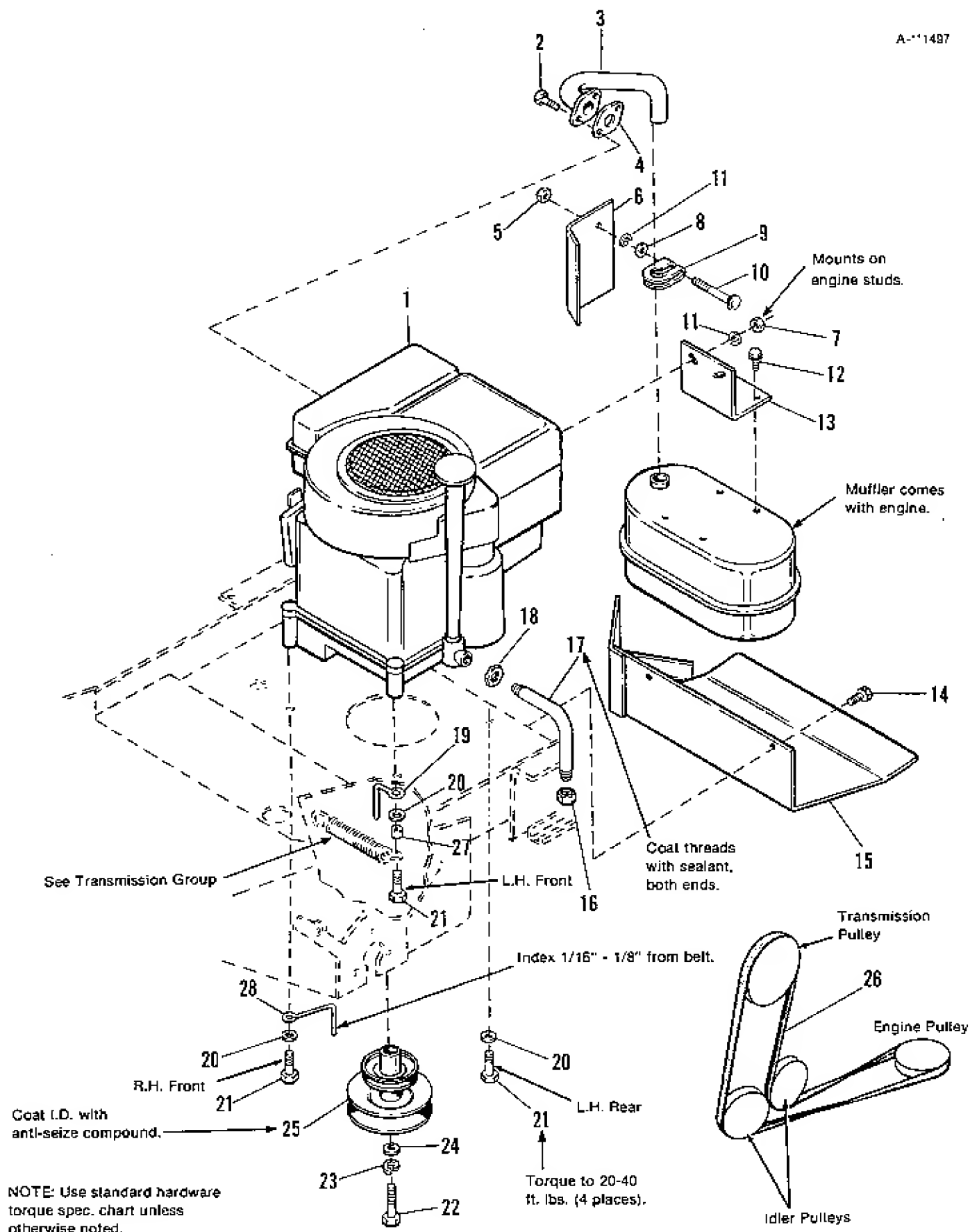
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Ref. No.	Part No.	Qty.	Description
1	1926158	1	CAPSCREW, 1/2-13 x 4
2	930672	2	KEY, Hi-Pro, 3/16 x 5/8
3	1928804	2	SETSCREW, Sq. Hd., 1/4-20 x 3/8
4	1677915	2	STEERING ARM ASSY., Upper
5	1960261	2	PIN, Steering Arm
6	1918445	2	COTTER PIN, 1/2
7	176440	10	BUSHING, Nylon
8	1678228	1	TUBE, Pivot Support
9	921133	5	FITTING, Lube
10	927794	2	E-RING, Retaining
11	1920415	6	CAPSCREW, Hex, 3/8-16 x 1-1/4
12	1677914	1	SPINDLE ASSY., L.H.
13	1672269	2	TIRE, Turf, 4.10/3.50-4 (Carlisle)
14	159141	2	TUBE, 4.10/3.50-4 (Service Only) (See note below.)
15	172353	2	VALVE STEM & CAP
16	1679712	2	WHEEL ASSY. (Incl. Ref. No. 17)
17	1679713	4	BEARING, Wheel
18	960202	2	WASHER, Wheel
19	927794	2	E-RING, Retaining, Wheel
20	1679698	2	WHEEL & TIRE ASSY., 4.10/3.50-4
21	1678333	6	SPACER
22	1924940	4	WASHER, 3/8
23	1930651	6	LOCKNUT, 3/8-16
24	1678313	2	TIE ROD
25	1677918	1	STEERING ARM ASSY., L.H. (Shown)
	1677919	1	STEERING ARM ASSY., R.H. (Not Shown)
26	1678072	1	DRAG LINK
27	1677911	1	SPINDLE ASSY., R.H.
28	1916951	1	NUT, 1/2-13
29	1916966	1	LOCKWASHER, 1/2
30	1677905	1	REAR AXLE ASSY.
31	1673333	2	CAP, Threaded

**NOTE:** Simplicity Tire Sealant can be used to repair tires in place of tubes. See inside front cover of this manual for part number.

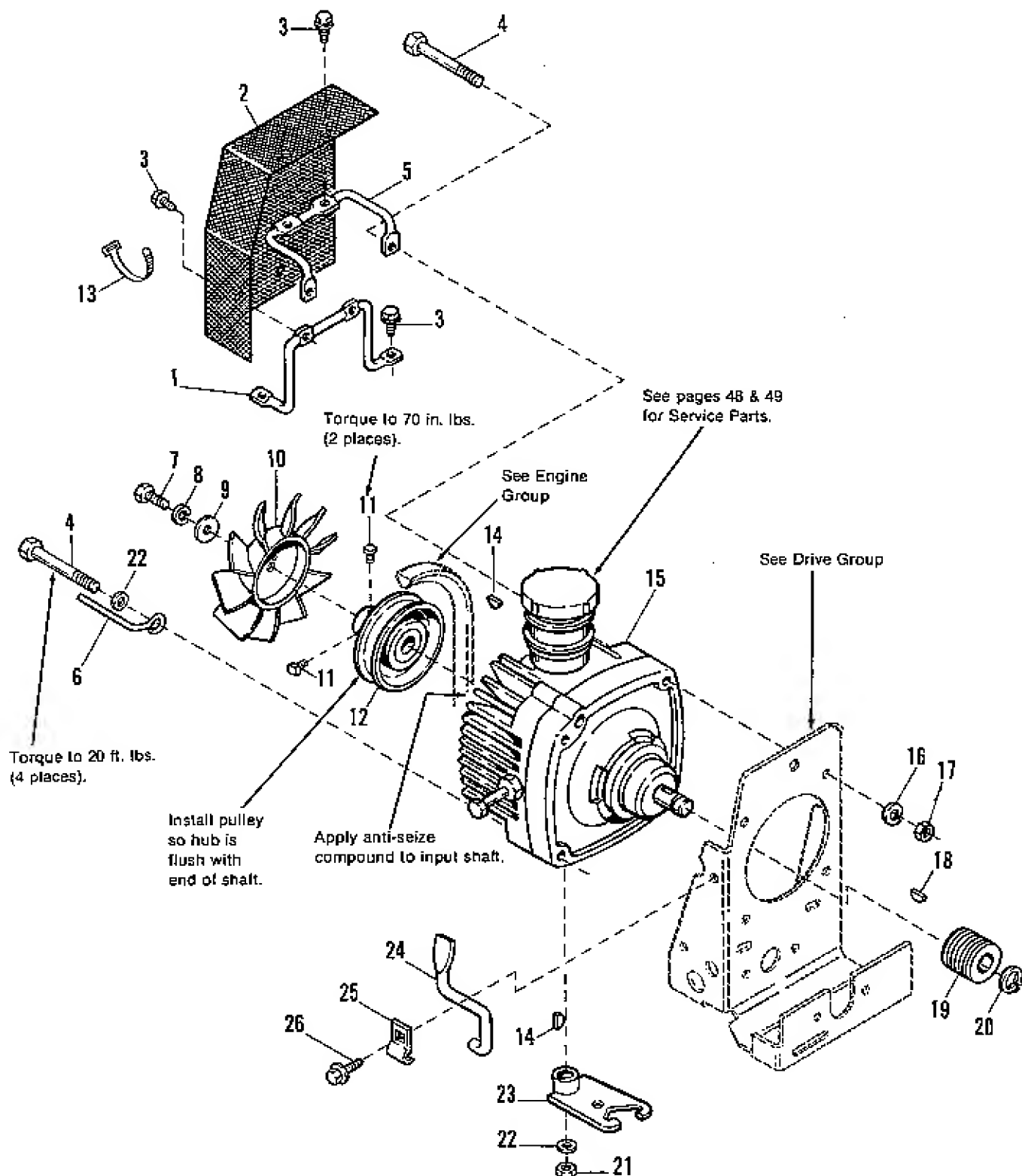
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Ref. No.	Part No.	Qty.	Description
1		*1	ENGINE, 12 HP (Briggs & Stratton) (Includes muffler)
2	1930591	2	SCREW, Whizlock, 5/16-18 x 3/4 (12 HP only)
3	1655860	1	PIPE, Exhaust
4	1650670	1	GASKET, Muffler
5	1923362	1	LOCKNUT, 5/16-18
6	1700396	1	SHIELD, Heat (Muffler)
7	1917372	2	NUT, Hex, 5/16-18
8	1917642	1	WASHER, Plain, 5/16
9	1676183	1	CLAMP
10	1931342	1	BOLT, Carriage, 5/16-18 x 2-3/4
11	1917356	3	LOCKWASHER, 5/16
12	1927429	4	SCREW, Taptite, 1/4-20 x 5/8
13	1700164	1	BRACKET, Muffler
14	1924856	2	SCREW, Taptite, 5/16-18 x 1/2
15	1700232	1	HEAT SHIELD ASSY.
16	1667346	1	CAP, Hex, 3/8
17	1664989	1	DRAIN, Oil
18	1932849	1	LOCKNUT, Conduit, 3/8
19	1678306	1	STOP, Belt
20	1924940	3	WASHER, 3/8
21	930598	4	SCREW, Taptite, 3/8-16 x 1-1/2
22	1920353	1	CAPSCREW, Hex, 7/16-20 x 1-1/2
23	1918199	1	LOCKWASHER, 3/8
24	1933263	1	WASHER, 3/8
25	1700310	1	PULLEY ASSY., Engine
26	1700581	1	BELT, Transmission Drive
27	1666804	1	SPACER
28	172844	1	STOP, Belt

\*See your local Briggs & Stratton distributor for engine parts & service.

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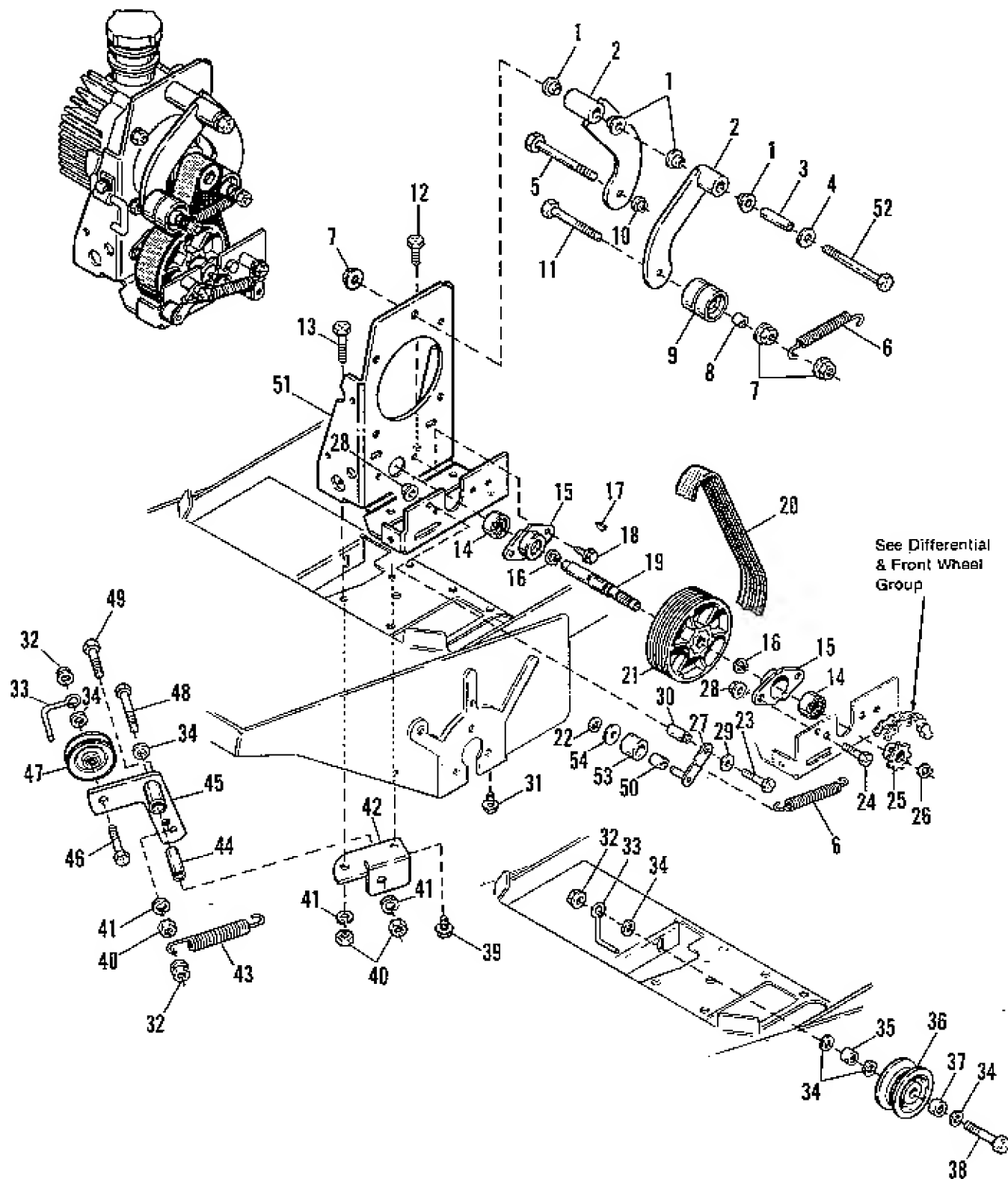


**NOTE:** Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1701219	1	MOUNTING BRACKET, Fan Guard
2	1701220	1	GUARD, Fan
3	1925003	6	SCREW, Hex Taptite, 1/4-20 x 1/2
4	1923903	4	CAPSCREW, Hex 3/8-16 x 3
5	1701221	1	MOUNTING BRACKET, Fan Guard
6	167032	1	STOP, Belt
7	1921958	1	CAPSCREW, Hex, 1/4-20 x 1/2
8	1916964	1	LOCKWASHER, 1/4
9	1960151	1	WASHER, 1/4 x 1-1/4
10	1700814	1	FAN
11	1960110	2	SETSCREW, Sq. Hd., Cup Pt., 1/4-28 x 1/2
12	1670855	1	PULLEY, Transmission
13	932747	1	TIE
14	905119	2	KEY, Woodruff
15	1700690	1	TRANSMISSION - Hydro (See pages 48 & 49 for Service Parts)
16	1916965	4	LOCKWASHER, 3/8
17	1916950	4	NUT, Hex, 3/8-16
18	910224	1	KEY, Woodruff
19	1700307	1	PULLEY, Drive
20	1960310	1	RING, Retaining
21	1930651	1	NUT, Hex Lock, 5/16-18
22	1917642	2	WASHER, 5/16
23	1700795	1	CONTROL ARM ASSY.
24	1701467	1	ROD, Tow Latch
25	1664004	1	CLIP, Tow Latch
26	1924856	1	SCREW, Taptite, 5/16-18 x 1/2

### ASSEMBLED VIEW

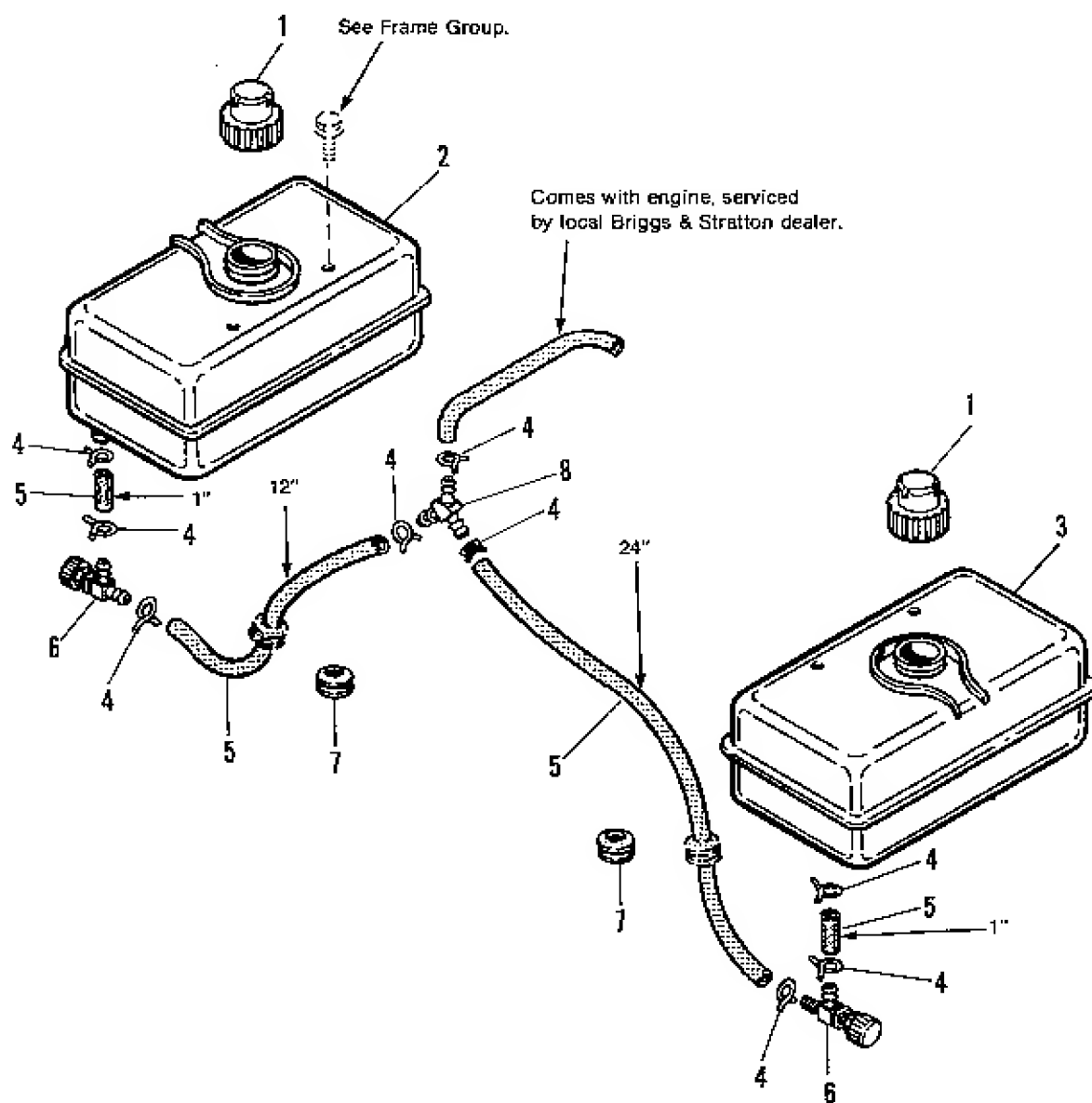
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NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	176444	4	BUSHING
2	1700976	2	IDLER ARM ASSY.
3	1701168	2	TUBE, Pivot
4	1917378	1	WASHER, 3/8
5	1923938	1	CAPSCREW, Hex, 3/8-16 x 3-1/2
6	1701763	2	SPRING, Tension, Idler Assy.
7	1930645	5	NUT, Hex Flangelock, 3/8-16
8	1665699	2	SPACER
9	1700996	2	PULLEY, Idler
10	1678333	1	SPACER
11	1923903	1	CAPSCREW, Hex, 3/8-16 x 3
12	1921965	3	CAPSCREW, Hex, 3/8-16 x 3/4
13	1921210	1	CAPSCREW, Hex, 3/8-16 x 1
14	1666292	2	BEARING, Ball
15	1667341	2	RETAINER, Bearing
16	166017	2	RING, Retaining
17	905123	1	KEY, Woodruff
18	1928729	2	SCREW, Taptite, 5/16-18 x 3/8
19	1701175	1	JACKSHAFT
20	1700362	1	BELT, Drive, Poly "V"
21	1700309	1	PULLEY, DRIVE
22	928197	2	"E" RING, Retaining
23	1921978	2	CAPSCREW, Hex, 5/16-18 x 2
24	1925205	2	CAPSCREW, Hex, 5/16-18 x 5/8
25	1701174	1	SPROCKET, Drive (9 Teeth)
26	1980328	2	RING, Retaining
27	1701789	1	CONTROL ARM ASSY.
28	1935046	4	NUT, Hex Flange Lock, 5/16-18
29	1919381	2	WASHER, Plain
30	1701786	2	SPACER, Control Arm Assy.
31	1924856	1	SCREW, Taptite, 5/16-18 x 1/2
32	1930645	3	NUT, Flange Lock, 3/8-16
33	1658054	2	STOP, Belt
34	1924940	6	WASHER, 3/8
35	118335	1	SPACER
36	1685151	1	PULLEY, Idler
37	1666294	1	SPACER
38	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
39	1924856	1	SCREW, Hex Taptite, 5/16-18 x 1/2
40	1916950	6	NUT, Hex, 3/8-16
41	1916965	6	LOCKWASHER, 3/8
42	1700619	1	BRACKET, Clutch Arm
43	1676351	1	SPRING
44	1678057	1	SPACER
45	1700629	1	CLUTCH ARM ASSY.
46	1921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
47	1668627	1	PULLEY, Idler
48	1922130	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
49	1920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
50	1701787	2	SPACER, Roller
51	1700640	1	BRACKET, Pump Mount
52	1922648	1	CAPSCREW, Hex, 3/8-16 x 4
53	1701785	2	ROLLER, Chain
54	1922611	2	WASHER, Plain, 3/8 x 1-1/4

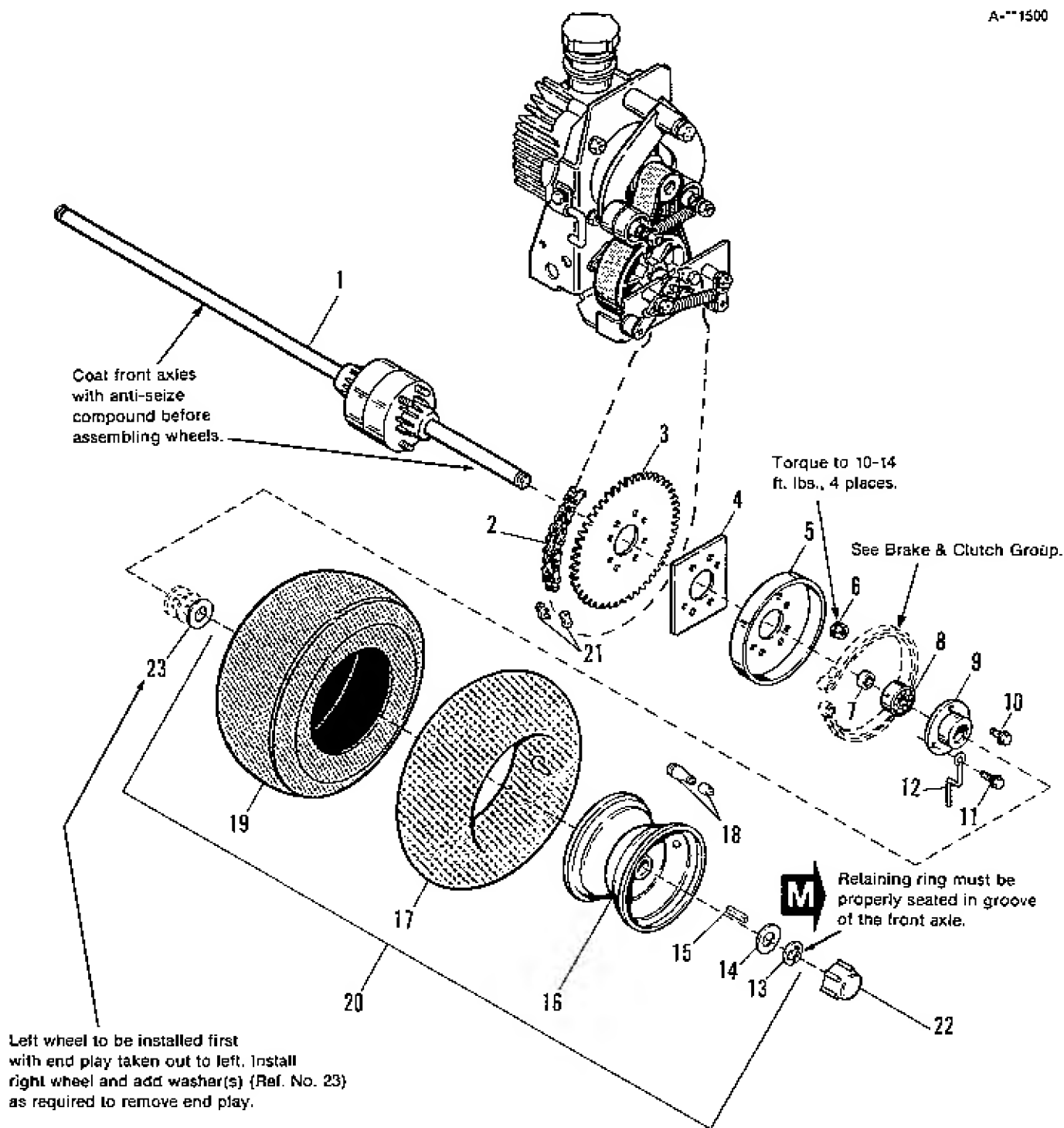
A-11499



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1702507	2	CAP, Fuel Tank (Later Models 2-3/8" O.D.)
	1678454	2	CAP, Fuel Tank (Earlier Models, 1-13/16" O.D.)
2	1702509	1	TANK, Fuel (R.H.) (Incl. Cap, Part No. 1702507)
3	1702508	1	TANK, Fuel (L.H.) (Incl. Cap, Part No. 1702507)
4	1960112	9	CLAMP, Hose
5	1676861	1	HOSE, Fuel, 45-1/2" (cut to length, see illustration)
6	1678455	2	VALVE, Shutoff
7	1650793	2	GROMMET
8	1678320	1	FITTING, Tee

A-1500



### CHAIN ASSY.

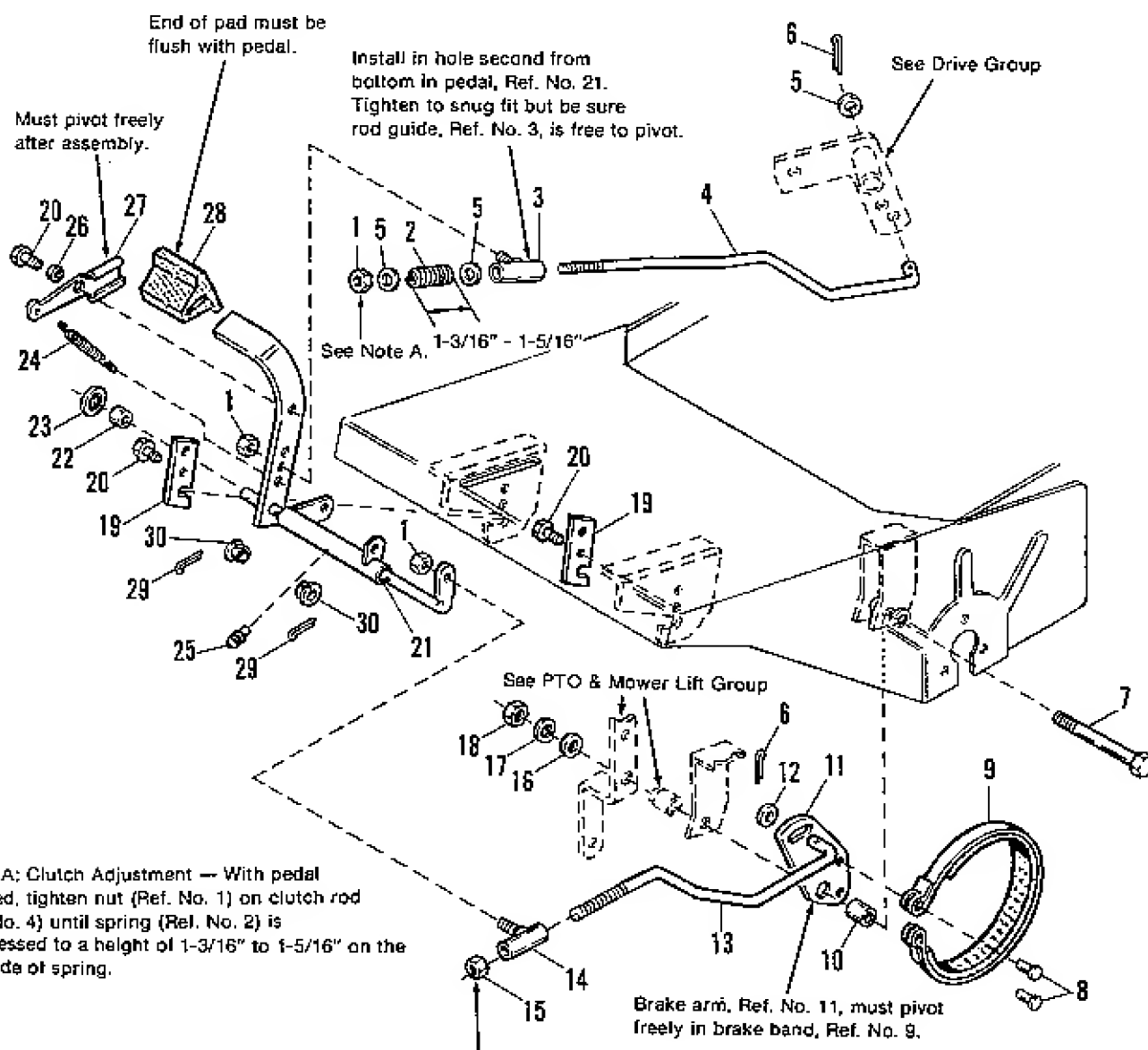
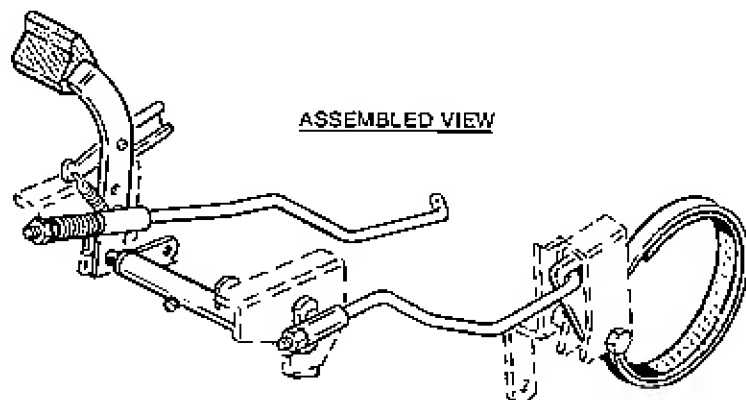
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
*1		1	AXLE ASSY., Differential
2	1701808	1	CHAIN, Roller, #40 x 63 pitches
3	1668296	1	SPROCKET, 54 Tooth
4	1678408	1	SHIM, Sprocket
5	1668295	1	DRUM, Brake
6	1935048	4	NUT, Flange Lock, 5/16-18
7	1701772	1	SPACER, Axle
8	108202	2	BEARING
9	1665696	2	FLANGE, Bearing
10	1924856	5	SCREW, Taptite, 5/16-18 x 1/2
11	1925359	1	SCREW, Taptite, 5/16-18 x 3/4
12	1678447	1	STOP, Brake Band
13	927794	2	RING, Retaining, Wheel
14	980202	3	WASHER, 3/4
15	8221042	2	KEY, 3/16 x 3/16 x 1-1/2
16	1701322	2	WHEEL ASSY.
17	1664090	2	TUBE (Service Only) (See note below.)
18	172353	2	VALVE STEM & CAP
19	1700099	2	TIRE, 15 x 6.00-6
20	1701321	2	WHEEL & TIRE ASSY., 15 x 6.00-6
21	1701112	1	MASTERLINK, Chain
22	1673333	2	CAP, Threaded
23	1960114	3	WASHER, Shim, 3/4 x 1-1/6 (Use as needed.)

\*See page 50 for parts breakdown. For parts & service see your local Tecumseh/Peerless distributor.

**NOTE:** Simplicity Tire Sealant can be used to repair tires in place of tubes. See inside front cover of this manual for part number.

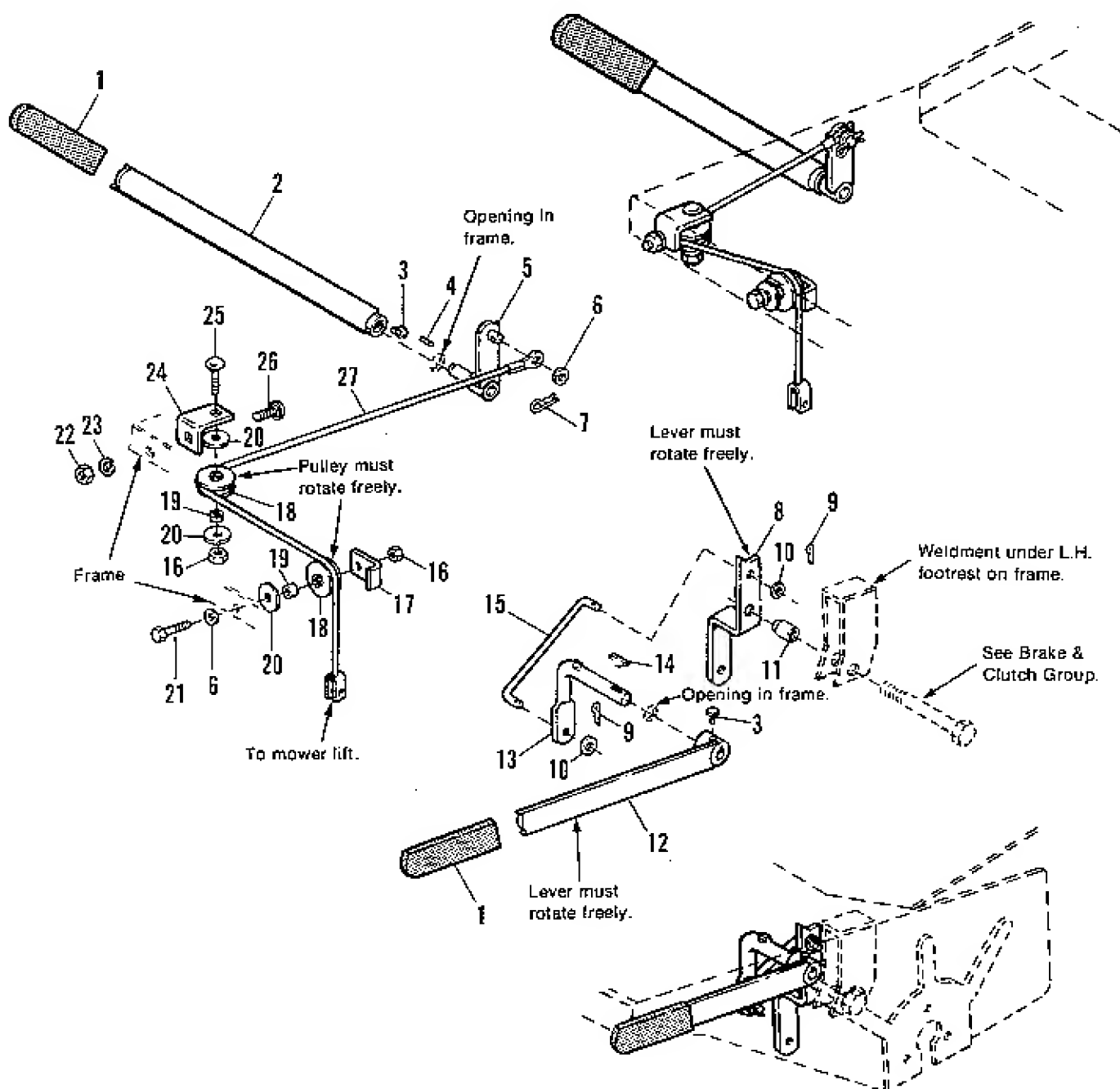
A-11501



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1923362	3	NUT, Hex Lock, 5/16-18
2	1650347	1	SPRING
3	164094	1	GUIDE ASSY., Rod
4	1700715	1	ROD, Clutch
5	1919326	3	WASHER, 5/16
6	1918447	2	PIN, Cotter, 3/4
7	1960286	1	CAPSCREW, 1/2-13 x 3-1/2, Gr. 5
8	1667132	2	PIN
9	1679357	1	BAND ASSY., Brake
10	1678409	1	SPACER
11	1678279	1	LINK, Brake Arm
12	1917378	1	WASHER, 3/8
13	1678284	1	ROD, Brake
14	1700114	1	GUIDE ASSY., Rod
15	1919439	1	NUT, Hex Lock, 3/8-16
16	1676435	1	WASHER, 1/2
17	1916966	1	LOCKWASHER, 1/2
18	1916951	1	NUT, Hex, 1/2-13
19	1678327	2	BRACKET, Brake
20	1924856	5	SCREW, Tapfit, 5/16-18 x 1/2
21	1700729	1	SHAFT ASSY., Brake
22	1678328	1	SPACER
23	1960260	1	NUT, Push
24	1678341	1	SPRING
25	921133	1	FITTING, Grease
26	1665844	1	SPACER
27	1678340	1	LATCH, Brake
28	1666664	1	PAD, Pedal
29	1923360	2	PIN, Cotter, 3/4
30	1668185	2	BUSHING, Nylon, Split

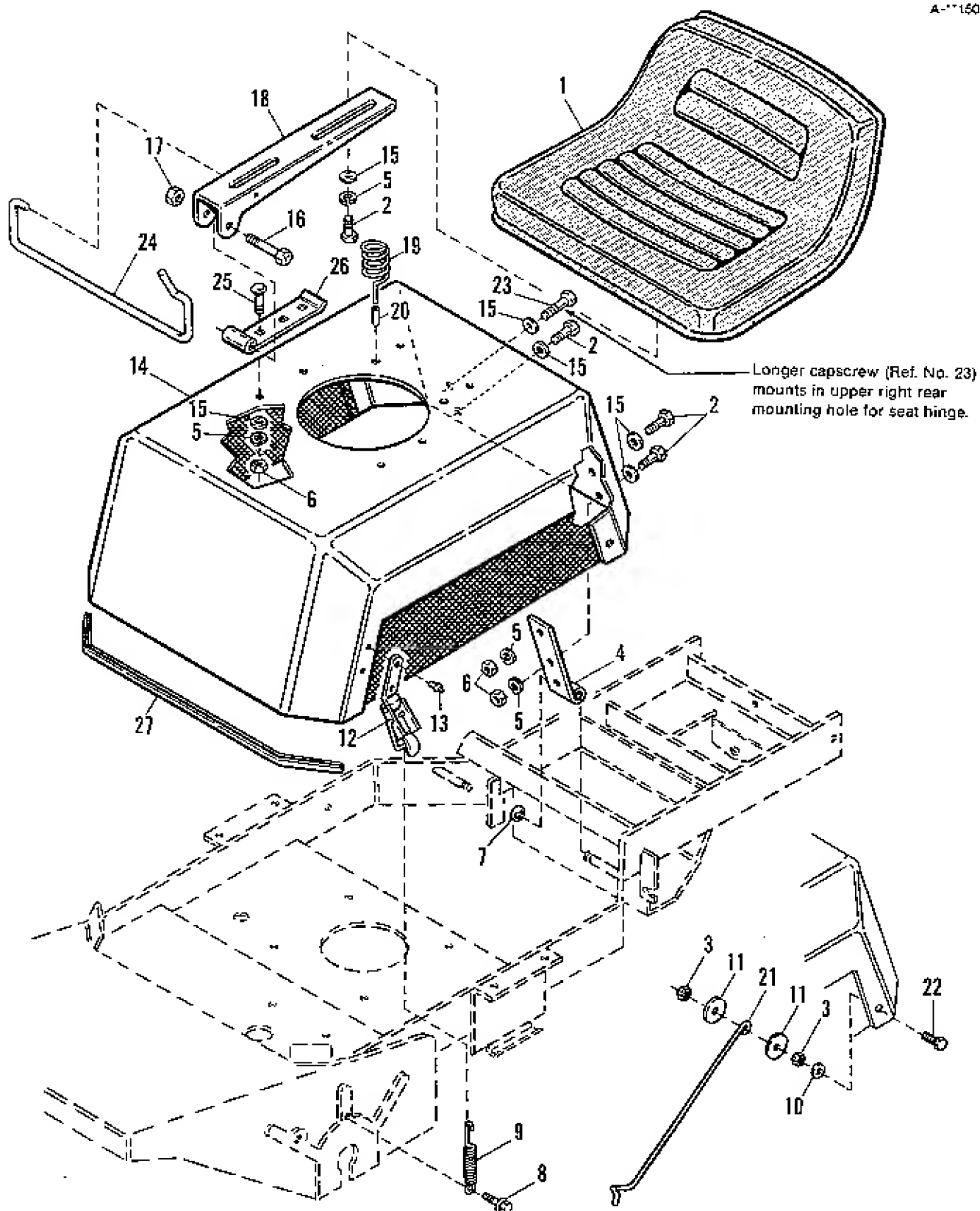
A-11502



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1685835	2	GRIP
2	1678255	1	LEVER ASSY., Lift
3	1928804	2	SET SCREW, 1/4-20 x 3/8
4	918312	1	KEY, 3/16 x 5/8
5	1678258	1	LEVER ASSY.
6	1917377	2	WASHER, 1/4
7	1960221	1	PIN, Quick
8	1678400	1	LEVER, PTO
9	1918447	2	PIN, Cotter, 3/4
10	1917642	2	WASHER, 5/16
11	1678401	1	SPACER
12	1678402	1	LEVER ASSY., PTO
13	1678404	1	LEVER, PTO
14	928637	1	KEY, Hi-Pro, 5/32 x 5/8
15	1678330	1	ROD, PTO
16	1923358	2	NUT, Hex, Lock, 1/4-20
17	1678448	1	GUIDE, Cable
18	1678335	2	PULLEY, Lift Cable
19	1678392	2	SPACER
20	1960151	3	WASHER, 1/4
21	1921960	1	CAPSCREW, 1/4-20 x 1.0
22	1917372	1	NUT, Hex, 5/16-18
23	1917356	1	LOCKWASHER, 5/16
24	1678263	1	BRACKET, Pulley
25	1931320	1	CARRIAGE BOLT, 1/4-20 x 1-1/4
26	1960282	1	CARRIAGE BOLT, 5/16-18 x 3/4
27	1678334	1	CABLE ASSY., Lift

A-111503

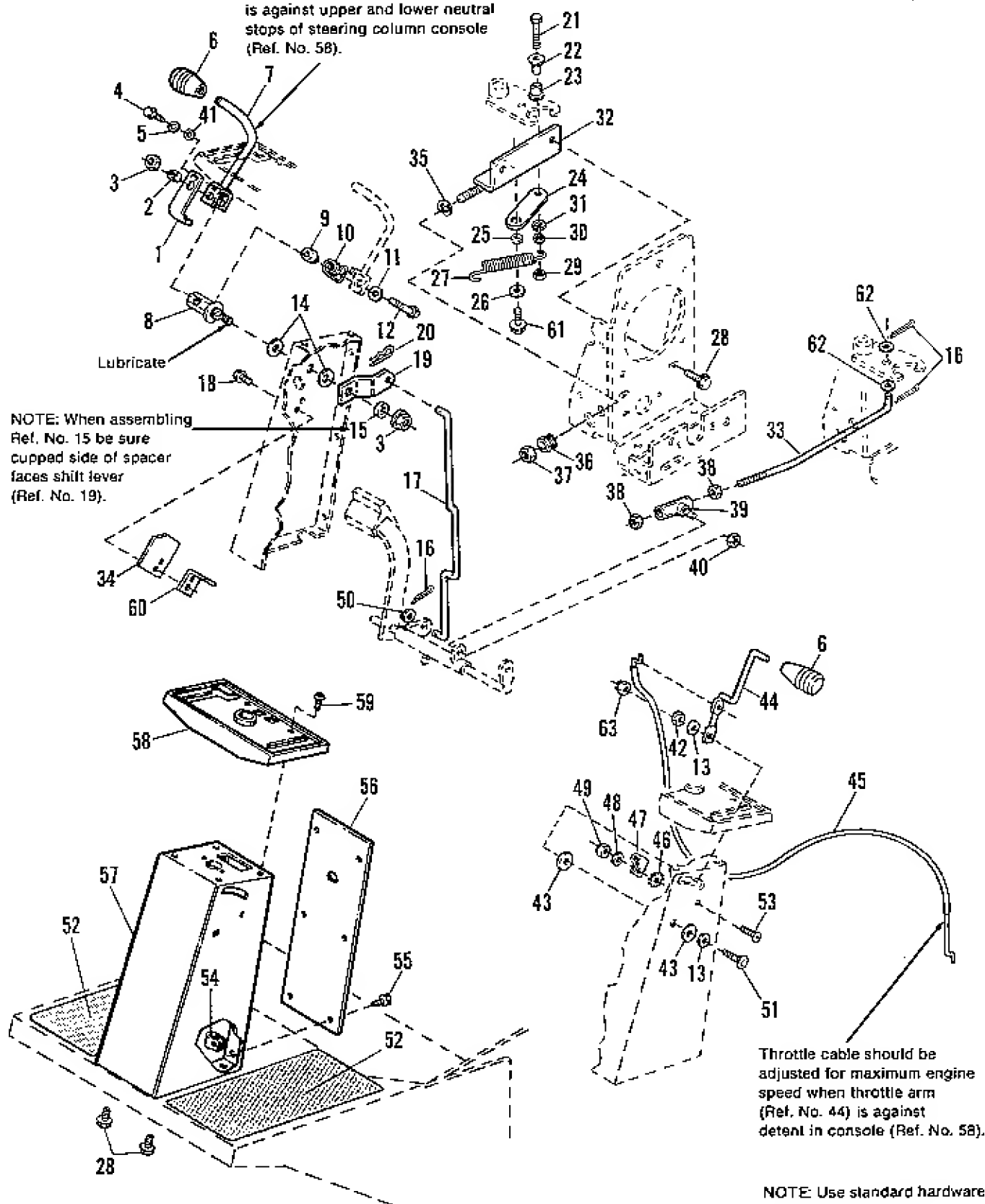


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1700618	1	SEAT
2	1921332	7	CAPSCREW, 5/16-18 x 3/4
3	1923358	2	NUT, Hex Centerlock, 1/4-20
4	1678415	2	HINGE, Seat Deck
5	1917356	12	LOCKWASHER, 5/16
6	1917372	8	NUT, Hex, 5/16-18
7	932724	2	RING, Retaining
8	1924856	2	SCREW, Taptite, 5/16-18 x 1/2
9	1702722	2	SPRING, Latch
10	1917377	1	WASHER
11	1960151	2	WASHER, 1/4 x 1-1/4
12	1678417	2	LATCH, Seat, Pull Tight
13	1675044	4	RIVET, Seat Latch
14	1701259	1	DECK, Seat
15	1917642	12	WASHER, Flat, 5/16
16	1923701	2	CAPSCREW, 3/8-16 x 2
17	1930651	2	NUT, Hex Lock, 3/8-16
18	1701559	2	HINGE, Upper, Seat
19	1666690	2	SPRING, Seat
20	1666691	2	COVER, Spring
21	1701280	1	ROD, Seat Deck
22	1921960	1	CAPSCREW, 1/4-20 x 1
23	1921333	1	CAPSCREW, 5/16-18 x 1
24	1701509	1	LATCH, Seat
25	1960282	4	CARRIAGE BOLT, 5/16-18 x 3/4
26	1701560	2	HINGE, Lower Seat
27	1702158	1	MOLDING, Deck

A-11504b

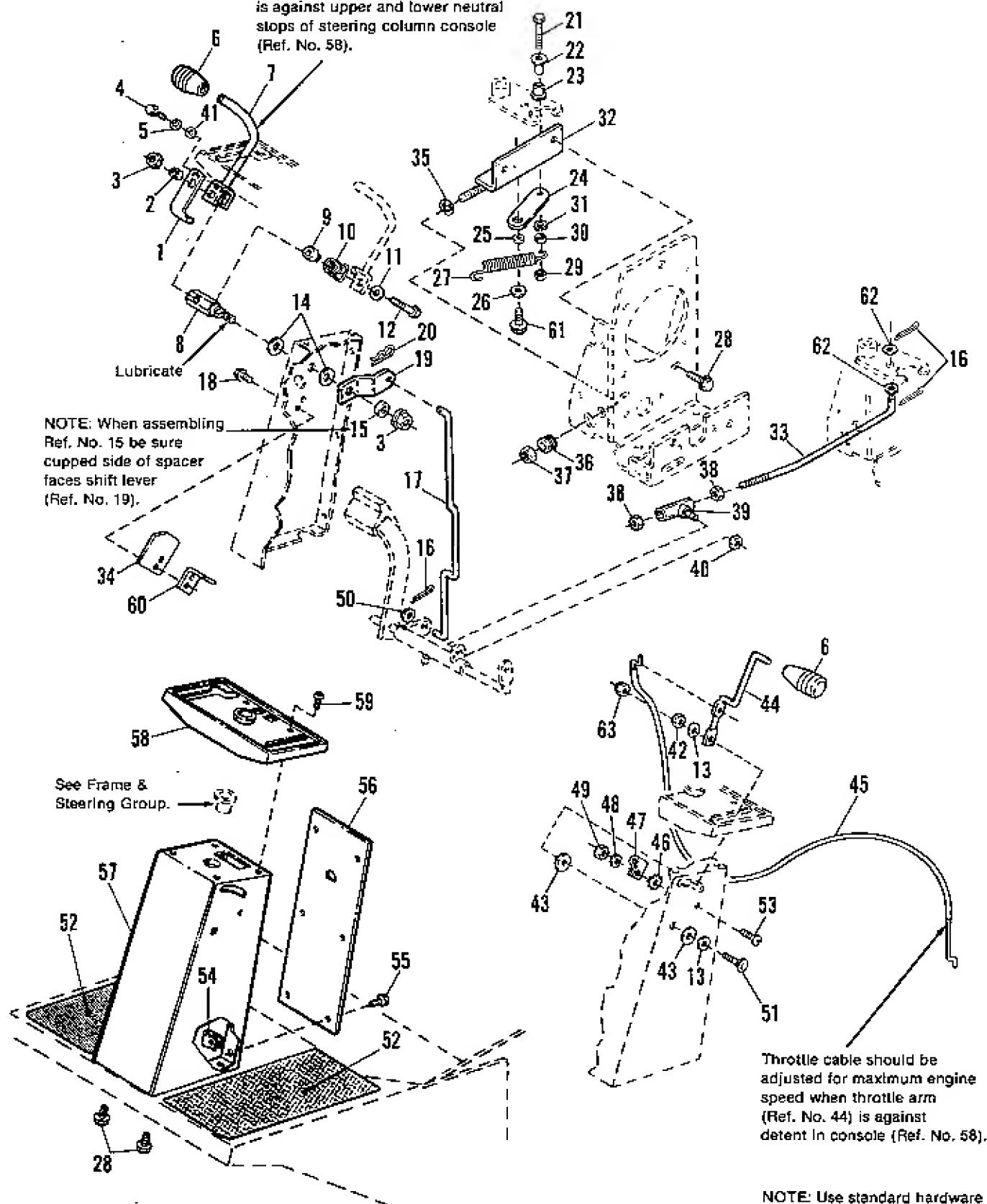
Transmission MUST remain in neutral when shift lever (Ref. No. 7) is against upper and lower neutral stops of steering column console (Ref. No. 58).



Ref. No.	Part No.	Qty.	Description
1	1701274	1	NEUTRAL SWITCH ARM
2	1665889	1	SPACER
3	1924433	2	NUT, Hex, ESNA, Lock, 5/16-18
4	1935944	1	SCREW, Taptite, #5-40 x 3/4
5	1930947	1	LOCKWASHER
6	1678365	2	KNOB, Control
7	1701278	1	ROD ASSY., Shift
8	1685327	1	PIVOT, Shift (Incl. Ref. No. 15)
9	1678425	1	SPACER
10	1678429	1	SPRING, Torsion
11	1917642	1	WASHER, Flat, 5/16
12	1922127	1	CAPSCREW, Hex, 5/16-18 x 1-3/4
13	1917377	2	WASHER, Flat, 1/4
14	1678360	2	WASHER, Nylon, 33/64 x 1
15	1700880	1	SPACER
16	1923360	3	PIN, Cotter
17	1700803	1	ROD, Control, Vertical
18	1930416	2	SCREW, Taptite, #10-32 x 3/8
19	1678263	1	LEVER, Shift
20	1960221	1	PIN, Quick
21	1922837	1	CAPSCREW, Hex, 1/4-20 x 1-1/2
22	1701159	1	BUSHING
23	118273	1	BUSHING, Nylon
24	1701792	1	ARM, Control
25	1665889	1	SPACER
26	1917642	1	WASHER, Plain
27	159159	1	SPRING, Extension
28	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
29	1923356	1	NUT, Hex Centerlock, 1/4-20
30	1916622	1	NUT, Hex, 1/4-20
31	1916964	1	LOCKWASHER, 1/4
32	1701108	1	BRACKET ASSY., Control

Ref. Nos. 33 thru 63 are shown on pages 28 and 29.

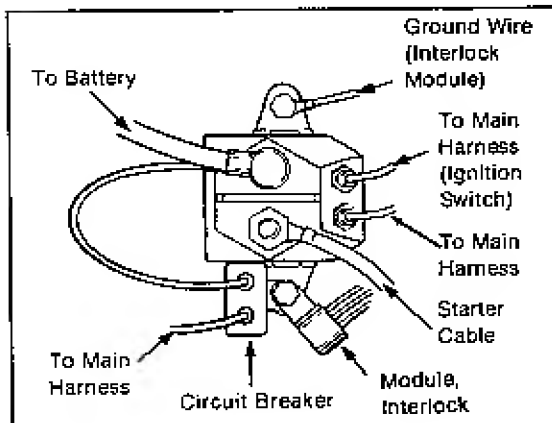
Transmission MUST remain in neutral when shift lever (Ref. No. 2) is against upper and lower neutral stops of steering column console (Ref. No. 58).



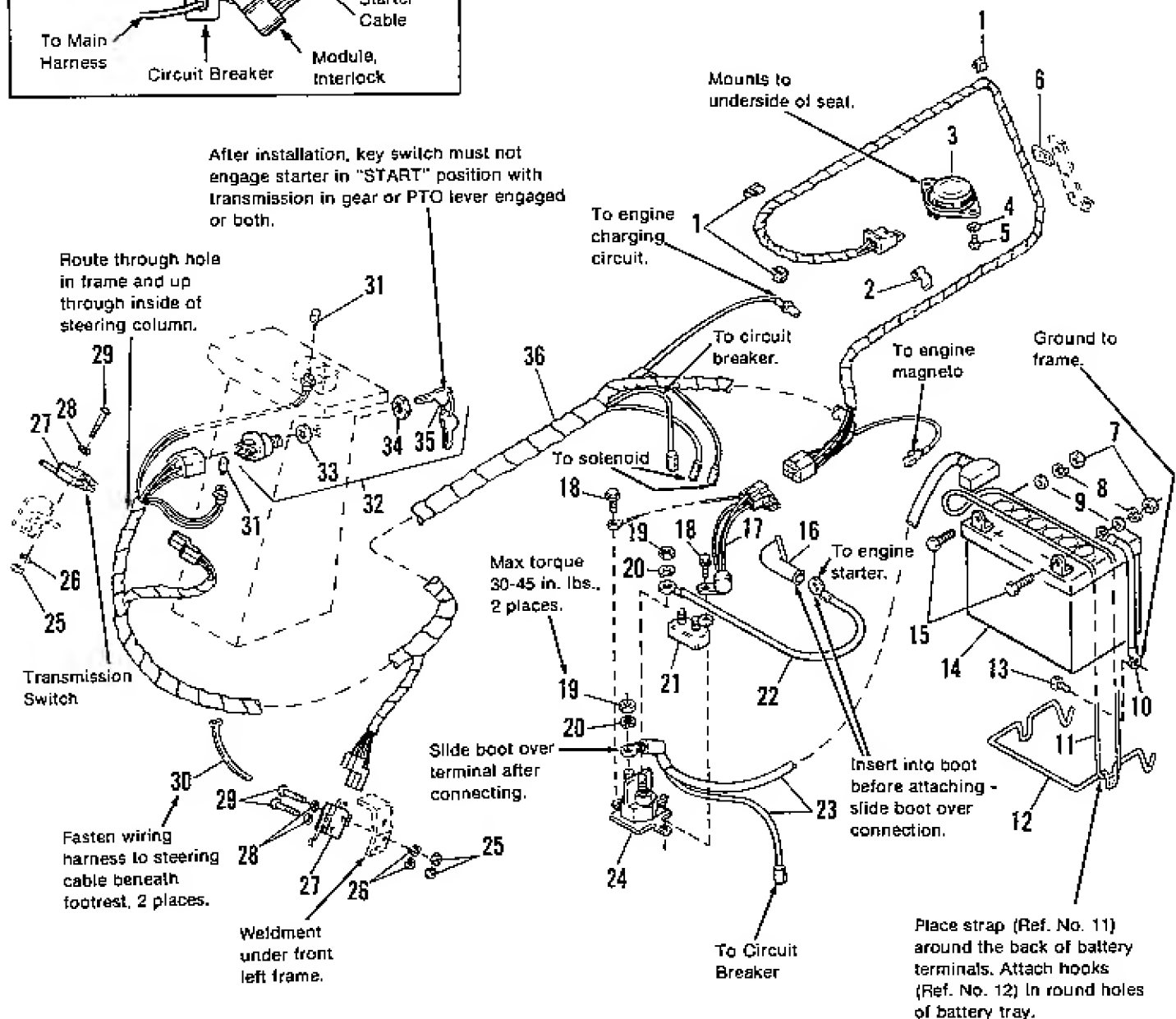
Ref. No.	Part No.	Qty.	Description
33	1701782	1	ROD, Control
34	1701328	1	FLIPPER, Switch (Plastic)
35	1960325	1	E-RING
36	1701111	1	NUT, Adjusting
37	1918403	1	NUT, Hex Jam, 3/8-24
38	1920263	2	NUT, Hex, 5/16-24
39	164094	1	ROD, Guide
40	1923362	1	NUT, Hex Lock, 5/16-18
41	1917458	1	WASHER, Plain, #5
42	1923358	1	NUT, Hex, 1/4-20
43	1678366	2	WASHER, Nylon
44	1678362	1	THROTTLE ARM
45	1678371	1	CABLE, Throttle
46	1922711	1	LOCKWASHER, Ext. Tooth, #10
47	158475	1	CLIP
48	1923212	1	WASHER
49	1928919	1	NUT, #10-32
50	1921319	1	WASHER, Plain
51	1921960	1	CAPSCREW, Hex, 1/4-20 x 1
52	1678437	2	MAT, Foot
53	1930531	1	SCREW, Rd. Hd., #10-32 x 1/2
54	1676847	6	SPEEDNUT, "U" Type
55	1676860	6	SCREW, Hex, Type AB
56	1678245	1	PANEL, Steering Column
57	1695363	1	STEERING COLUMN ASSY.
58	1701032	1	CONSOLE, Steering Column
59	1678419	4	SCREW, Taptite, 1/4-20 x 3/4
60	1701275	1	BRACKET, Switch
61	1930601	1	SCREW, Taptite, 5/16-18 x 5/8
62	1919326	2	WASHER, Plain
63	1920397	1	NUT, Hex Lock ESNA, 1/4-20

Ref. Nos. 1 thru 32 are shown on pages 26 and 27.

A-77 1537



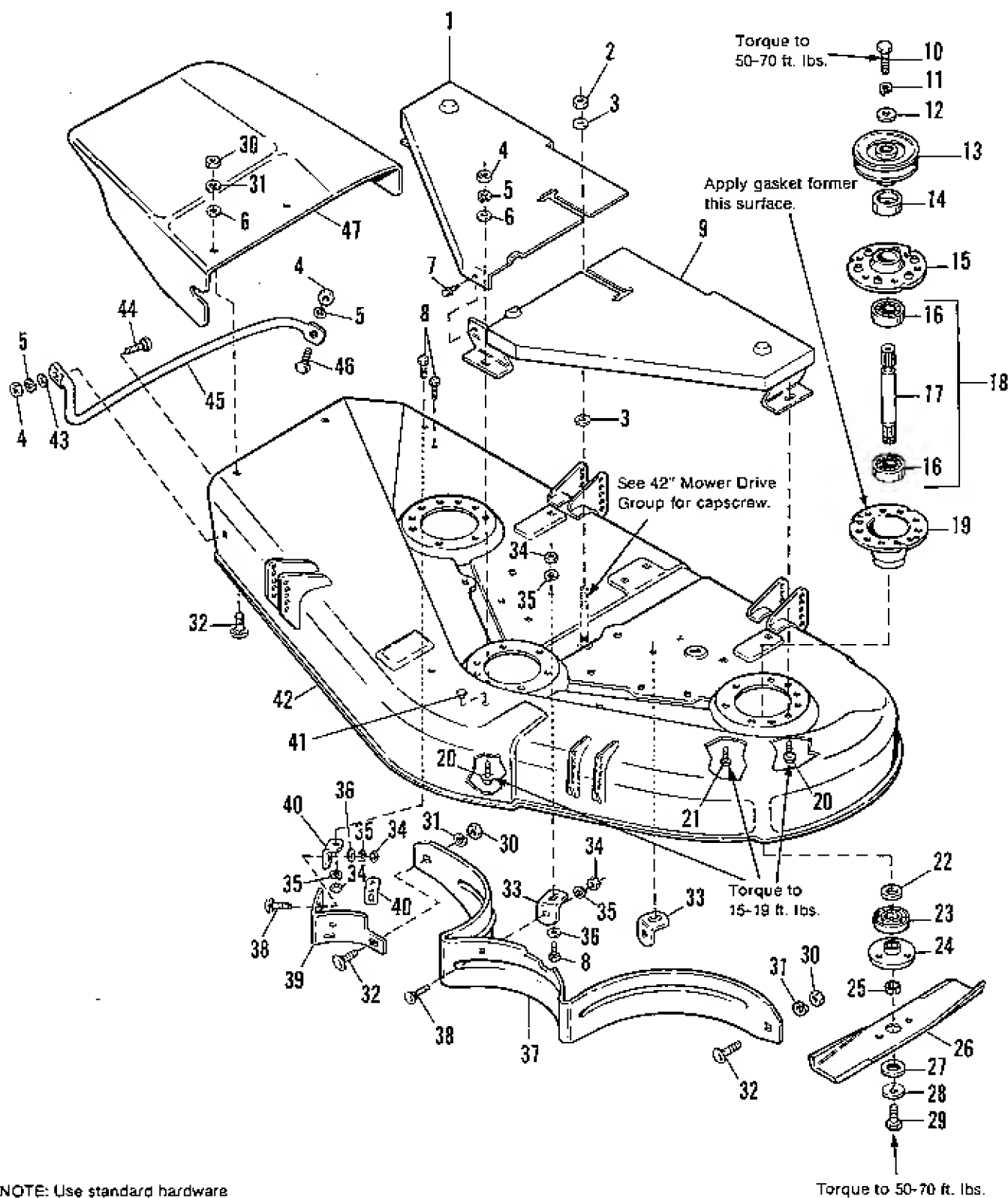
After installation, key switch must not engage starter in "START" position with transmission in gear or PTO lever engaged or both.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	930222	3	CLIP, Wire
2	172436	1	CLIP, Wire
3	1700636	1	SWITCH, Seat
4	1921880	2	LOCKWASHER, Ext., 1/4
5	1926025	2	SCREW, Rd. Hd., 1/4-20 x 1/2
6	926918	1	CLAMP, Wire
7	916622	2	NUT, Hex, 1/4-20
8	916964	2	LOCKWASHER, 1/4
9	917377	2	WASHER, 1/4
10	1671158	1	CABLE ASSY. (Battery Ground)
11	1665872	1	STRAP, Battery
12	1667805	1	BRACE, Battery Hold Down
13	924856	1	SCREW, Taplite, 5/16 x 1/2 (Zinc Pltd.)
14	1685215	1	BATTERY, 12V
15	923341	2	CAP SCREW, Hex, 1/4-20 x 3/4)
16	122023	1	COVER, Terminal
17	1672654	1	MODULE, DSI, Interlock
18	925592	2	SCREW, Taplite, 1/4-20 x 3/4, Pltd.
19	920263	2	NUT, Hex, 5/16-24
20	917356	2	LOCKWASHER, 5/16
21	1665238	1	CIRCUIT BREAKER
22	1668819	1	CABLE ASSY., Starter
23	1701526	1	CABLE ASSY., (Battery Solenoid)
24	1685290	1	SOLENOID
25	1931003	4	NUT, Hex, #5-40
26	1930947	4	LOCKWASHER, #5
27	1679932	2	MICRO SWITCH, Tandem
28	1917458	4	WASHER, #6
29	1960014	4	SCREW, Rnd. Hd., #5-40 x 1-1/2
30	932747	2	CABLE TY-WRAP
31	1676130	2	LAMP, Indicator
32	178280	1	SWITCH, Ignition (Incl. Ref. Nos. 33, 34 & 35.)
33	918906	1	LOCKWASHER, Int. 5/8
34	122234	1	NUT, 5/8-32
35	122203	1	KEYS & RING
36	1701286	1	WIRING HARNESS

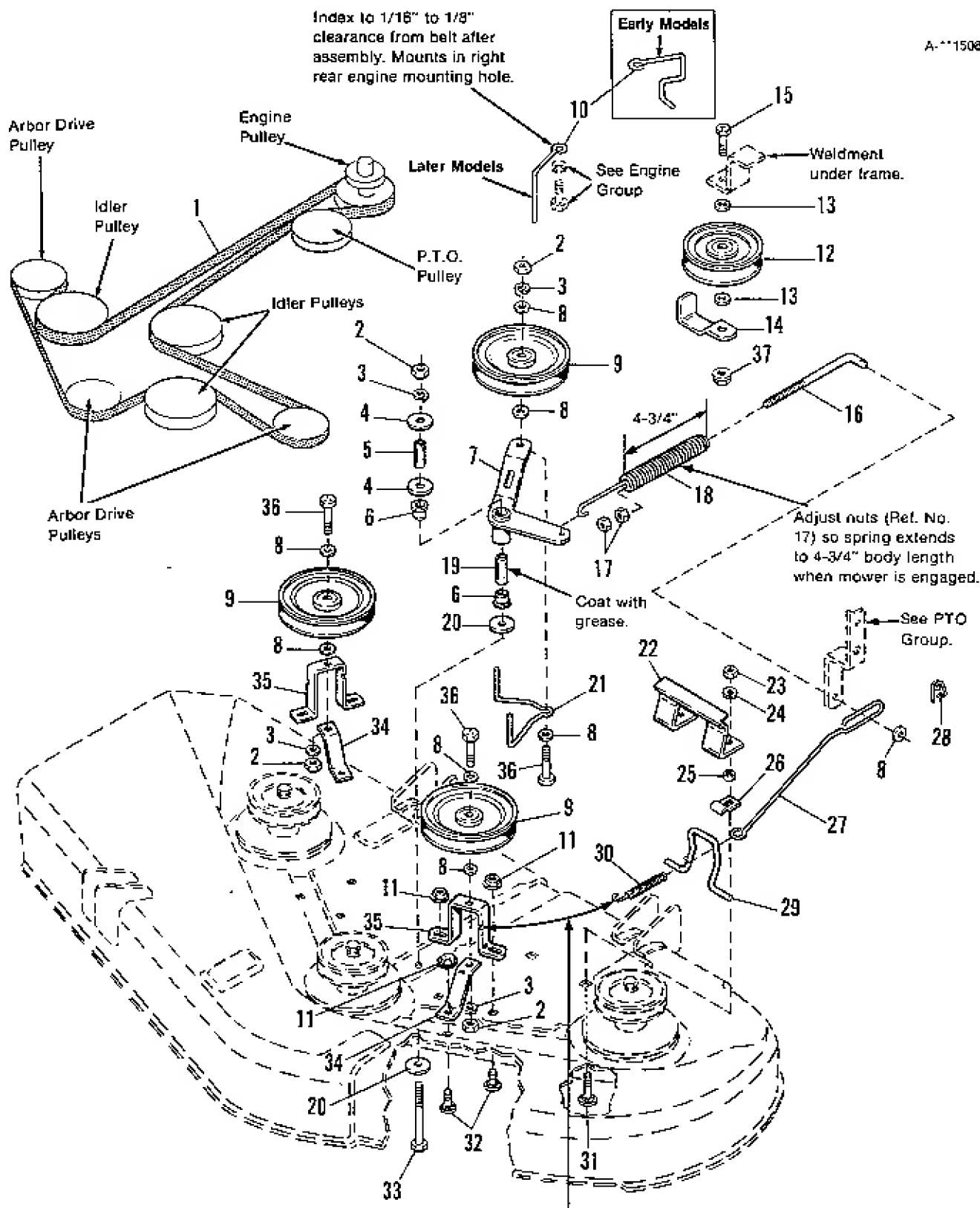
A-1507



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

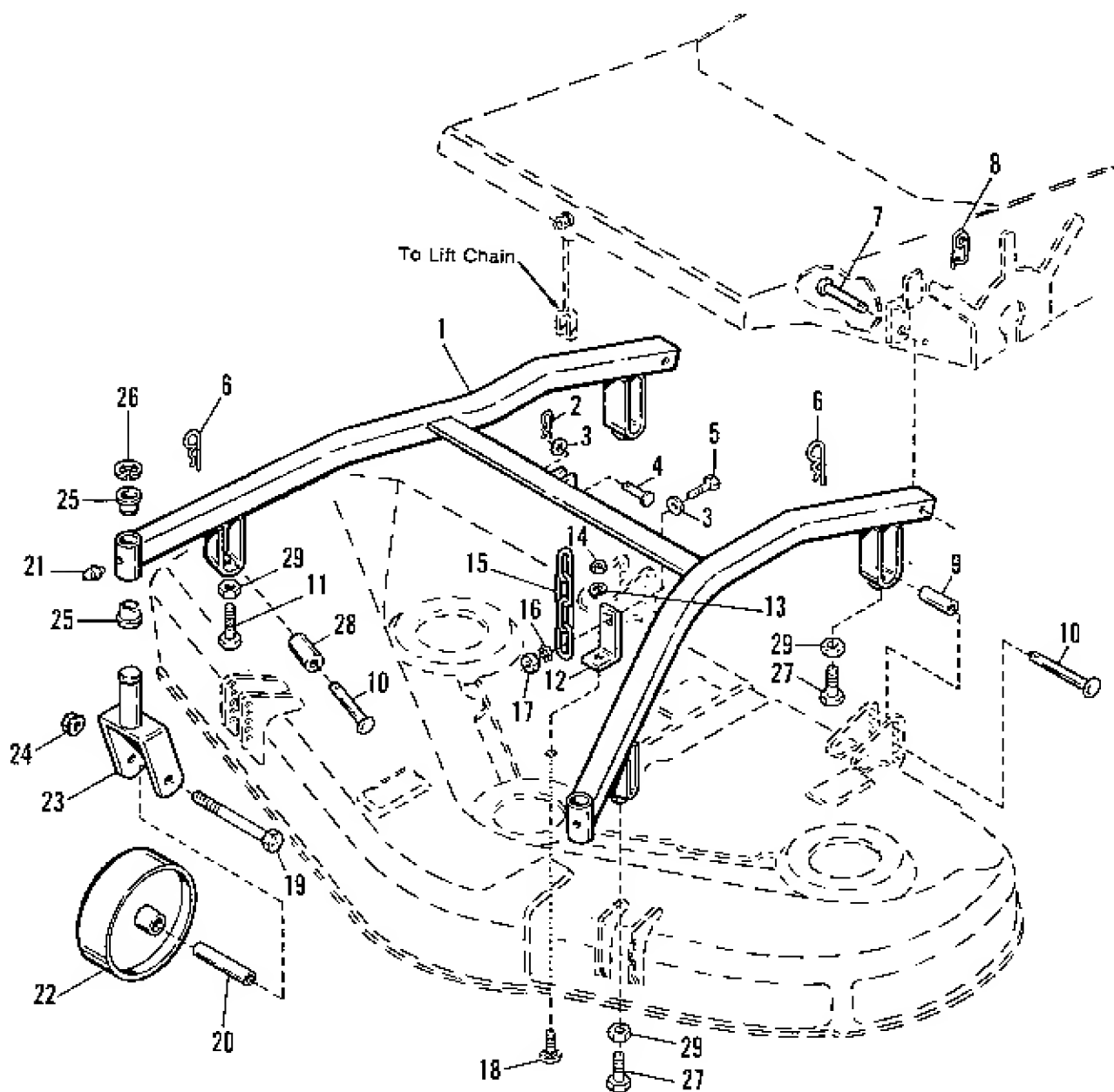
Ref. No.	Part No.	Qty.	Description
1	1678294	1	COVER ASSY., Belt, R.H.
2	1917421	1	NUT, Hex, Jam, 3/8-16
3	1922611	2	WASHER
4	1917372	5	NUT, 5/16-18
5	1917356	5	LOCKWASHER, 5/16
6	1917378	5	WASHER, 3/8
7	1927428	1	SCREW, Taptite, 1/4-20 x 3/8
8	1924009	4	CAPSCREW, Hex, 1/4-20 x 7/8
9	1678295	1	COVER ASSY., Belt, L.H.
10	1936723	3	CAPSCREW, Hex, 7/16-14 x 1-3/4
11	1918199	3	LOCKWASHER, 7/16
12	1933263	3	WASHER, 7/16
13	1678271	3	PULLEY ASSY., Arbor
14	1657969	3	SHIELD, Bearing, Upper
15	1655729	3	HOUSING, Top (Arbor)
16	108202	6	BEARING
17	1685245	3	SHAFT, Arbor (Incl. Ref. No. 25)
18	1685251	3	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 16 & 25)
19	1655728	3	HOUSING, Bottom (Arbor)
20	1927477	3	SCREW, Taptite, 5/16-18 x 1
21	1664847	15	SCREW, Taptite, 5/16-18 x 3/4
22	1700230	3	WASHER, Shim
23	1657588	3	SHIELD, Grass
24	1655777	3	ADAPTOR, Blade
25	1672132	3	COLLAR, Mower Arbor
26	1656147	3	BLADE
27	1656927	3	WASHER, Spline
28	1656916	3	WASHER, Spring
29	1923491	3	CAPSCREW, Hex, 7/16-14 x 1
30	1916950	4	NUT, 3/8-16
31	1916965	4	LOCKWASHER, 3/8
32	1931348	4	BOLT, Carriage, 3/8-16 x 3/4
33	1608331	2	CLIP, Baffle
34	1916622	8	NUT, 1/4-20
35	1916964	8	LOCKWASHER
36	1917377	4	WASHER, 1/4
37	1608135	1	BAFFLE
38	1923333	4	CARRIAGE BOLT, 1/4-20 x 5/8
39	1665709	1	BAFFLE, Discharge
40	108186	2	CLIP, Baffle
41	1700841	2	PLUG, Plastic
42	1685307	1	HOUSING ASSY., 42" Mower
43	1919381	1	WASHER, 5/16
44	1931335	1	CARRIAGE BOLT, 5/16-18 x 1
45	1665562	1	GUARD, Mower Discharge
46	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
47	1666049	1	DEFLECTOR

A-11508



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

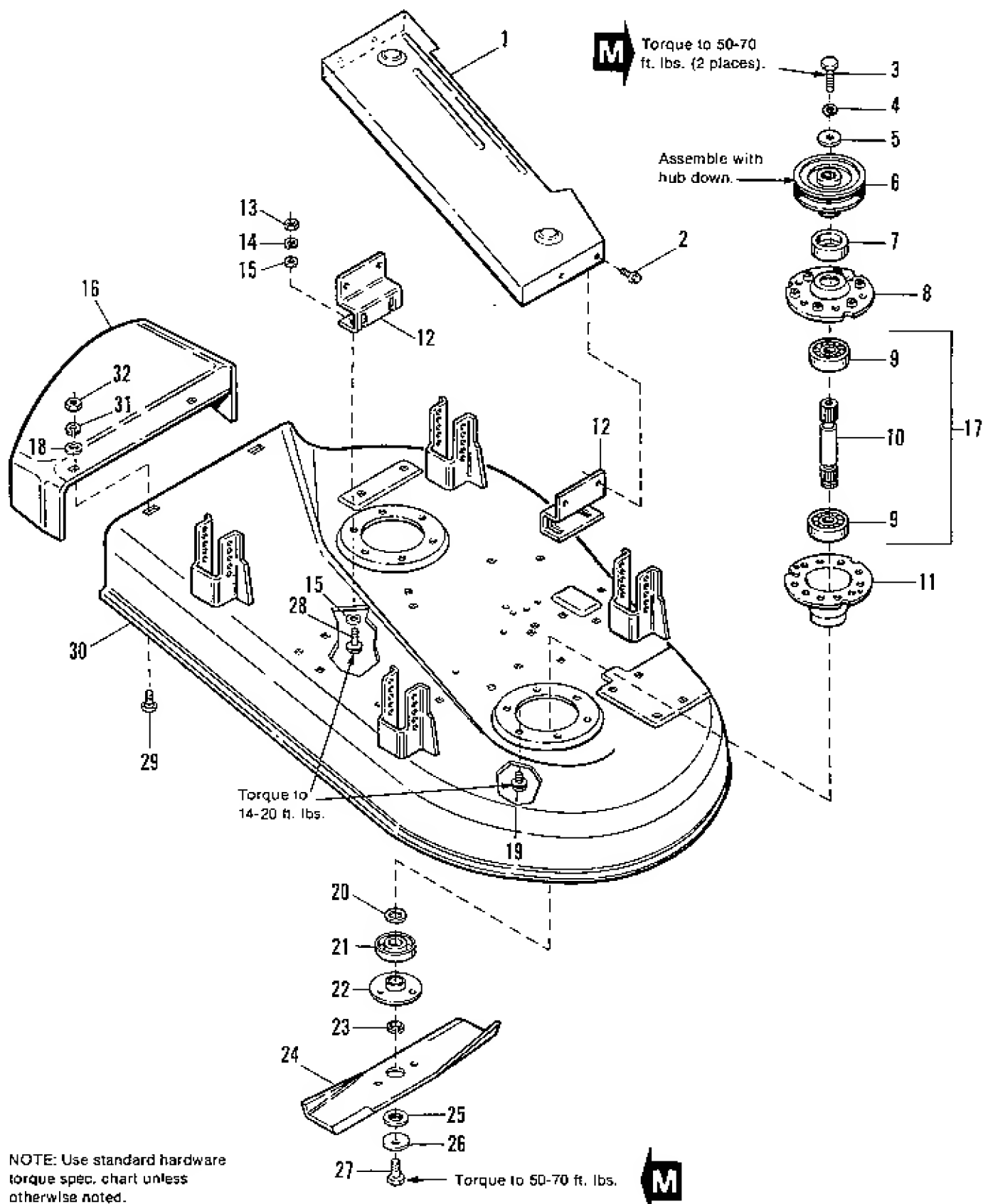
Ref. No.	Part No.	Qty.	Description
1	1678241	1	BELT
2	1916950	5	NUT, Hex, 3/8-16
3	1916965	5	LOCKWASHER
4	1922611	2	WASHER
5	1676088	1	SPACER
6	1663114	2	BUSHING
7	1678238	1	ARM ASSY., Clutch
8	1917642	8	WASHER, 5/16
9	171247	3	PULLEY, Idler
10	1678305	1	STOP, Belt (Early Models)
	1701921	1	STOP, Belt (Later Models)
11	1927557	6	NUT, Flange Whizlock, 5/16-18
12	1685150	1	PULLEY ASSY., P.T.O.
13	1922755	3	WASHER, 3/8
14	1679486	1	GUIDE, Belt
15	1921969	1	CAPSCREW, 3/8-16 x 1-1/2
16	1678236	1	ROD, PTO
17	1920161	2	NUT, Hex, Jam, 5/16-18
18	1678237	1	SPRING, PTO Rod
19	1657242	1	SPACER
20	1924356	2	WASHER
21	1678405	1	STOP, Belt
22	1700178	1	BRACKET, Brake
23	1917372	2	NUT, Hex, 5/16-18
24	1917356	2	LOCKWASHER, 5/16
25	1666294	2	SPACER
26	1664004	2	CLIP
27	1678353	1	ROD, Brake
28	1918196	1	PIN, Spring
29	1700129	1	ROD, Brake
30	1700869	1	SPRING
31	1960223	2	CARRIAGE BOLT, 5/16-18 x 1-1/4
32	1931333	6	CARRIAGE BOLT, 5/16-18 x 3/4
33	1960246	1	CAPSCREW, Hex, 3/8-16 x 4-1/2
34	1678412	2	BRACE
35	1678240	2	SUPPORT, Idler
36	1921971	3	CAPSCREW, Hex, 3/8-16 x 1-3/4
37	1903645	1	NUT, Hex Flange, 3/8-16



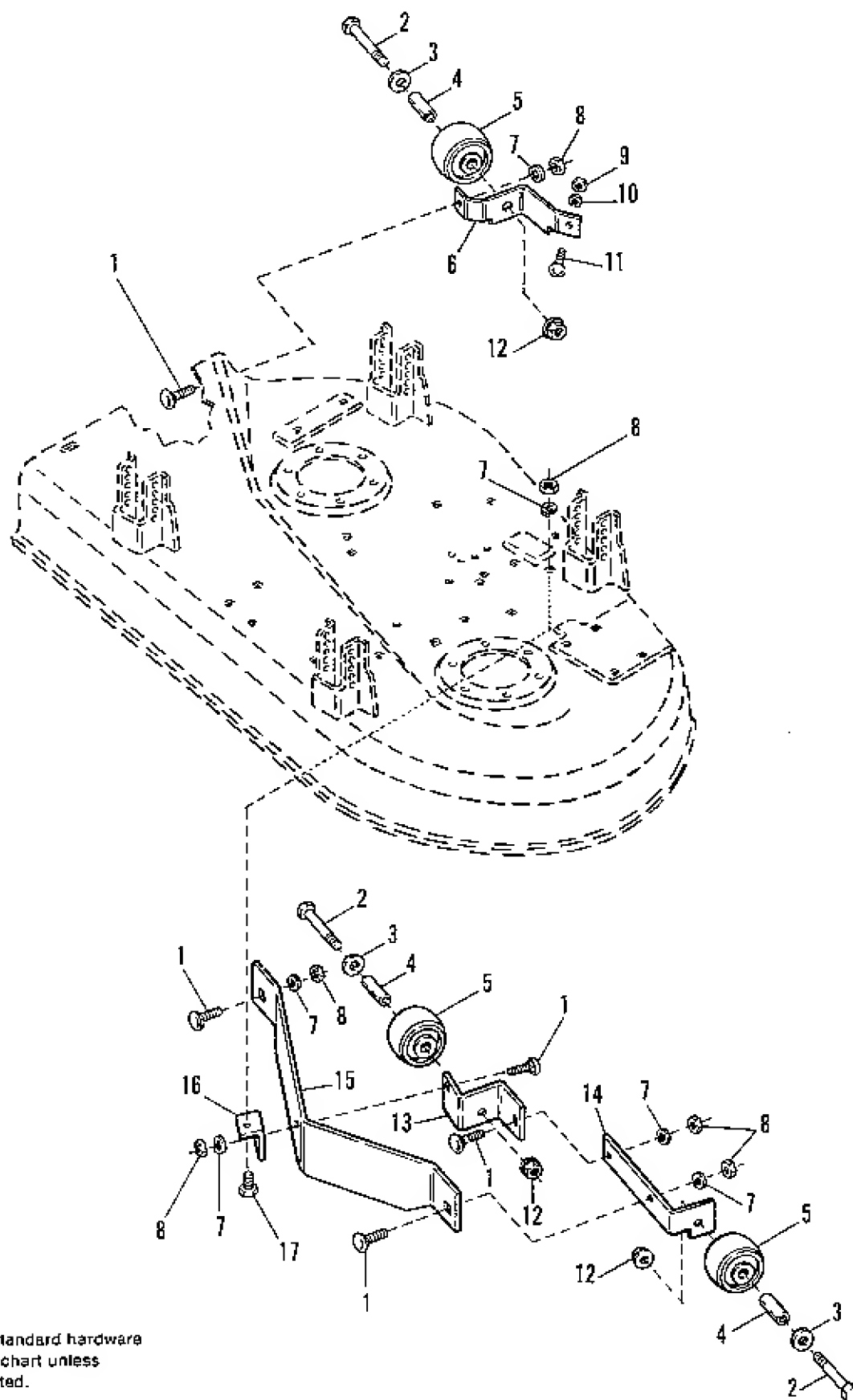
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1678247	1	ARM ASSY.
2	1960221	1	PIN, Quick
3	1921319	2	WASHER, 1/4
4	1960296	1	PIN, Lift Cable
5	1923341	1	CAPSCREW, Hex, 1/4-20 x 3/4
6	1918196	4	PIN, Quick
7	105249	2	PIN, Hitch
8	176012	2	PIN, Safety
9	1678291	2	SPACER, Rear
10	1678434	4	PIN
11	1929116	1	CAPSCREW, Hex, 3/8-16 x 2
12	1678339	1	BRACKET, Lift
13	1917356	1	LOCKWASHER, 5/16
14	1917372	1	NUT, Hex, 5/16-18
15	1678337	1	CHAIN, Lift
16	1921880	1	LOCKWASHER, Ext., 1/4
17	1916622	1	NUT, Hex, 1/4-20
18	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
19	1960286	2	CAPSCREW, Hex, 1/2-13 x 3-1/2
20	1678304	2	SPACER, Wheel
21	1921133	2	FITTING, Lube, 1/4
22	1702483	2	WHEEL
23	1678092	2	YOKE ASSY., Wheel
24	1930644	2	NUT, Lock, 1/2-13
25	176440	4	BUSHING
26	927794	2	E-RING
27	1921974	3	CAPSCREW, Hex, 3/8-16 x 1-1/2
28	1678292	2	SPACER, Front
29	1917421	4	NUT, Hex Jam, 3/8-16

A-11510



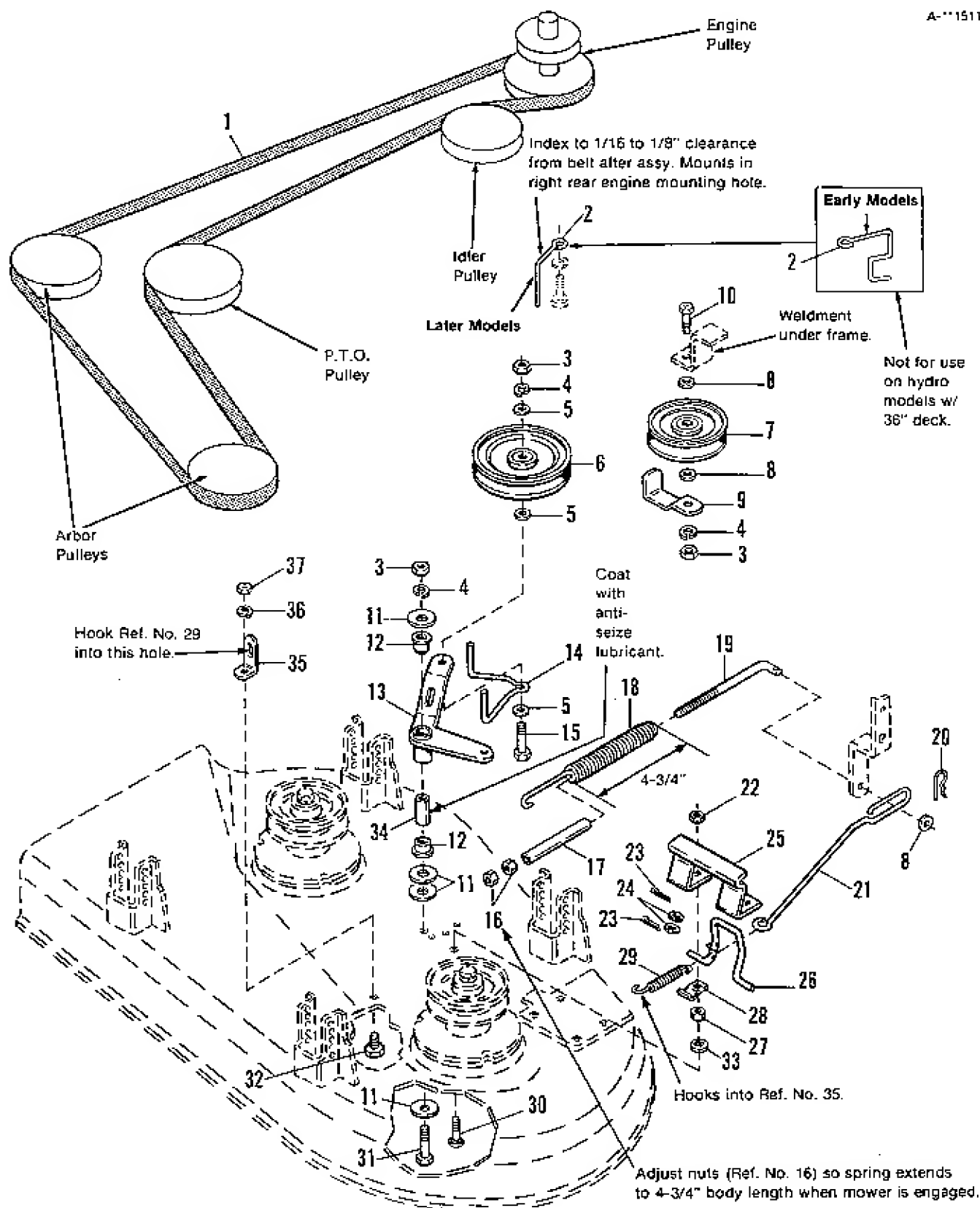
Ref. No.	Part No.	Qty.	Description
1	1700398	1	COVER, Belt
2	1927428	4	SCREW, Taptite, 1/4-20 x 3/8
3	1936723	2	CAPSCREW, Hex, 7/16-14 x 1-3/4
4	1918199	2	LOCKWASHER
5	1933263	2	WASHER
6	1700271	2	PULLEY ASSY., Arbor
7	1657969	2	SHIELD, Upper Grass
8	1655729	2	HOUSING, Top
9	108202	4	BEARING
10	1685245	2	SHAFT (Incl. Ref. No. 23)
11	1655728	2	HOUSING, Bottom
12	1700399	2	BRACKET, Belt Cover
13	1917372	4	NUT, Hex, 5/16-18
14	1917356	4	LOCKWASHER, 5/16
15	1917642	8	WASHER, 5/16
16	1702190	1	DEFLECTOR
17	1685251	2	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 9, 10 & 23)
18	1922755	2	WASHER, Plain, 3/8
19	1664847	8	SCREW, Taptite, 5/16-18 x 5/8
20	1700230	2	WASHER
21	1657588	2	SHIELD, Lower Grass
22	1655777	2	ADAPTOR, Blade
23	1672132	2	COLLAR, Mower Arbor
24	1657589	2	BLADE
25	1655927	2	WASHER, Spline
26	1656916	2	WASHER, Spring
27	1923491	2	CAPSCREW, Hex, 7/16-14 x 1
28	1927477	4	SCREW, Taptite, 5/16-18 x 1
29	1931348	2	CARRIAGE BOLT, 3/8-16 x 3/4
30	1685320	1	HOUSING ASSY., 36" Mower (Incl. Decals)
31	1916965	2	LOCKWASHER, 3/8
32	1916950	2	NUT, Hex, 3/8-16



Ref. No.	Part No.	Qty.	Description
1	1931334	5	BOLT, Carriage, 5/16-18 x 7/8
2	1960245	3	CAPSCREW, Hex, 1/2-13 x 3
3	1926192	3	WASHER, 9/16 x 1-1/4
4	1702189	3	SPACER
5	1702144	3	GAUGE, Roller
6	1702137	1	BRACKET, Roller, Right
7	1917356	6	LOCKWASHER, 5/16
8	1917372	6	NUT, Hex, 5/16-18
9	1916622	1	NUT, Hex, 1/4-20
10	1916964	1	LOCKWASHER, 1/4
11	1931317	1	BOLT, Carriage, 1/4-20 x 3/4
12	1677716	3	NUT, Flange, Centerlock, 1/2-13
13	1702138	1	BRACKET, Roller, Center
14	1702143	1	BRACKET, Roller, Left
15	1671577	1	BAFFLE
16	1668500	1	BRACKET, Mower to Baffle
17	1921332	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4

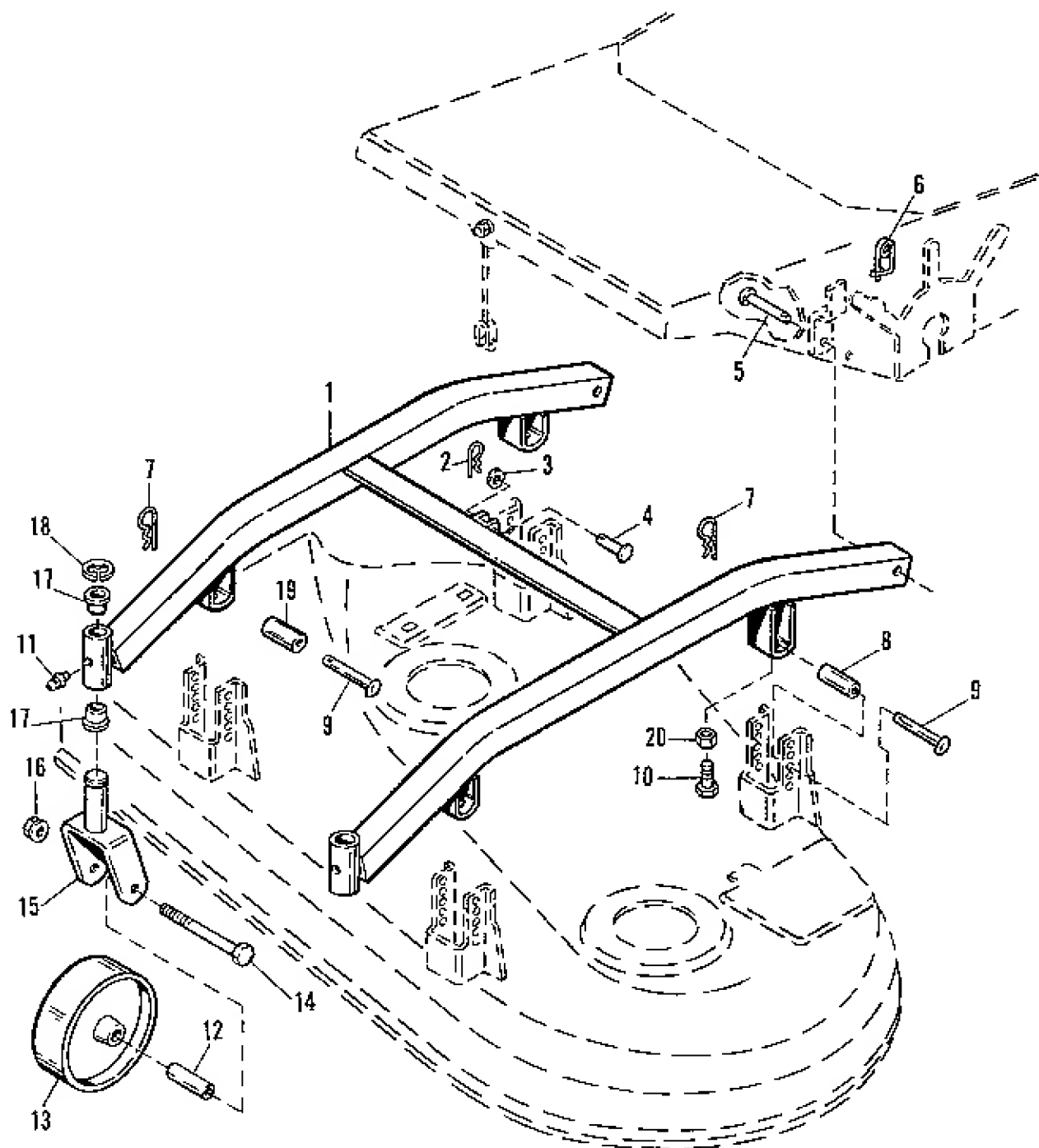
**NOTE:** For early model SunRunners without gauge wheels, all above parts (except Ref. No. 15) can be ordered as a kit, part number 1685346.

A-1511



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

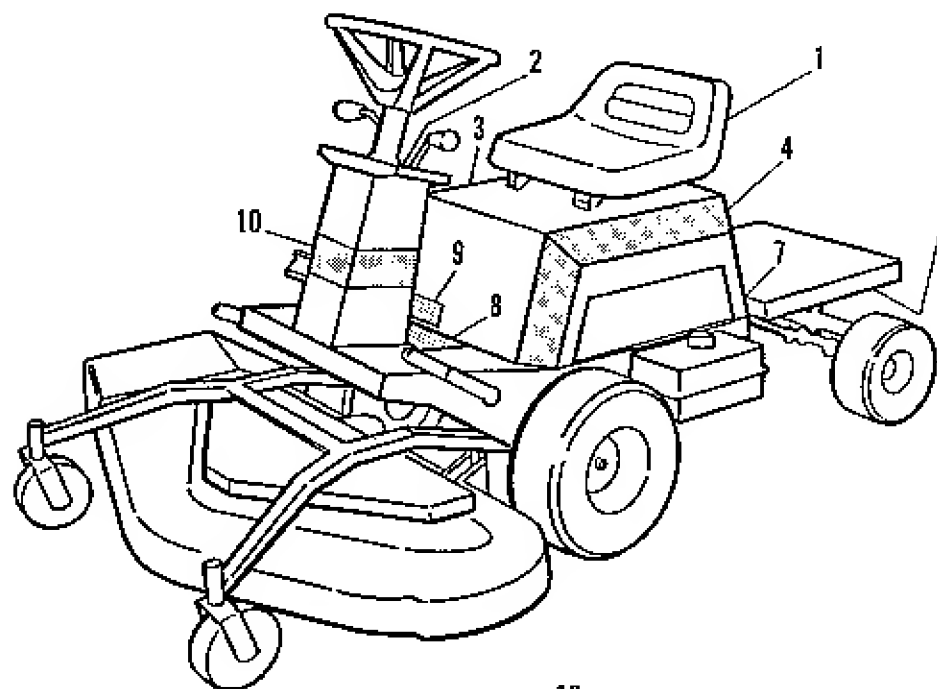
Ref. No.	Part No.	Qty.	Description
1	1664644	1	BELT, Drive
2	1685338	1	GUIDE, Belt (Early Models)
	1701921	1	GUIDE, Belt (Later Models)
3	1916950	3	NUT, Hex, 3/8-16
4	1916965	3	LOCKWASHER, 3/8
5	1917642	3	WASHER, 3/8 x 7/8
6	171247	1	PULLEY, P.T.O., Mower
7	1685150	1	PULLEY, Idler
8	1922755	4	WASHER
9	1677135	1	GUIDE, Belt
10	1921969	1	CAPSCREW, 3/8-16 x 1-1/2
11	1924356	4	WASHER, 13/32 x 1-1/2
12	1663114	2	BUSHING
13	1678238	1	ARM ASSY., Clutch
14	1678405	1	STOP, Belt
15	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
16	1920161	2	NUT, Hex Jam, 5/16-18
17	1700445	1	SPACER
18	1678237	1	SPRING
19	1678236	1	ROD, Mower
20	1918196	1	CLIP, Hair Pin
21	1700332	1	ROD, Brake
22	1928698	2	NUT, Hex Centerlock Jam, 5/16-18
23	1918447	2	PIN, Cotter
24	1960103	2	WASHER, 3/8
25	1700178	1	BRACKET, Brake
26	1700717	1	ROD, Brake
27	1663956	2	SPACER
28	1664004	2	CLIP
29	1700869	1	SPRING
30	1960223	2	CARRIAGE BOLT, 5/16-18 x 1-1/4
31	1922130	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
32	1923341	1	CAPSCREW, 1/4-20 x 3/4
33	933988	2	NUT, Retainer, 5/16
34	1657242	1	SPACER
35	108186	1	CLIP
36	1916964	1	LOCKWASHER, 1/4
37	1916622	1	NUT, Hex, 1/4-18



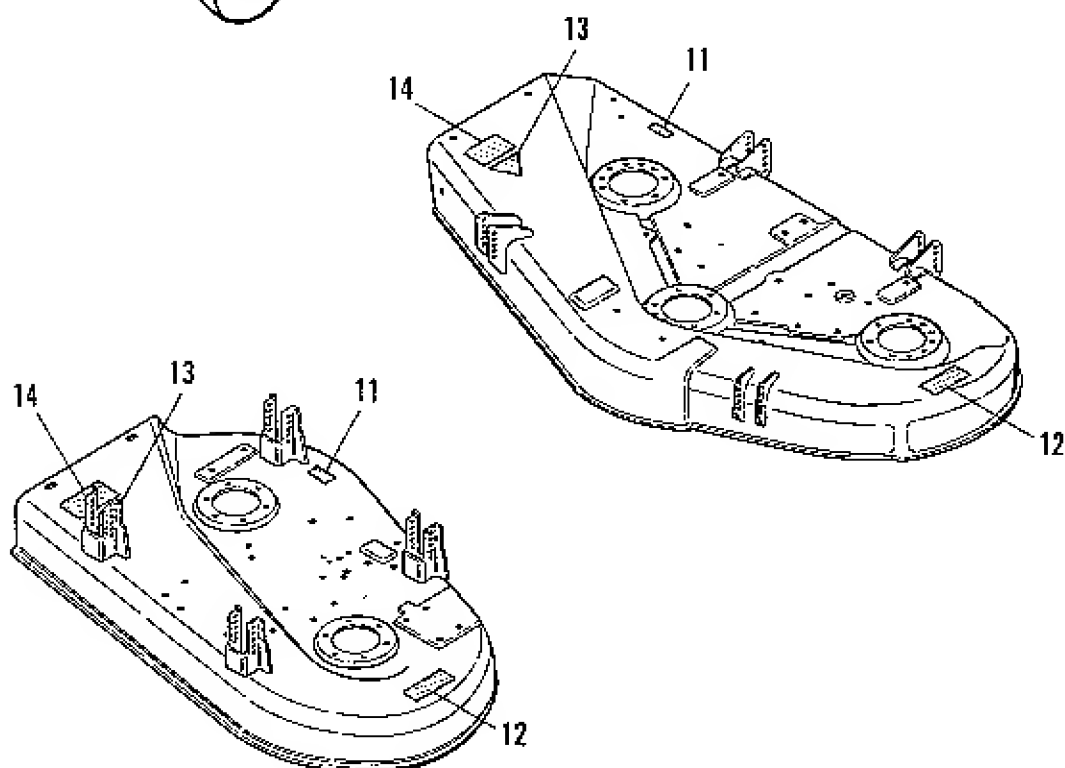
NOTE: Use standard hardware  
torque spec. chart unless  
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1700251	1	SUPPORT ASSY., 36" Mower
2	1960221	1	PIN, Quick
3	1921319	1	WASHER, 1/4
4	1980296	1	PIN, Lift Cable
5	105249	2	PIN, Hitch
6	176012	2	PIN, Safety
7	1918196	4	PIN, Quick
8	1678291	2	SPACER, Rear
9	1678434	4	PIN
10	1921210	4	CAPSCREW, Hex Hd., 3/8-16 x 1
11	921133	2	FITTING, Lube
12	1678304	2	SPACER, Wheel
13	1702483	2	WHEEL
14	1960286	2	CAPSCREW, Hex Hd., 1/2-13 x 3-1/2
15	1678092	2	YOKE ASSY.
16	1930644	2	LOCKNUT, 1/2-13
17	176440	4	BUSHING
18	927794	2	E-RING
19	1678292	2	SPACER, Front
20	1917421	4	NUT, Hex Jam, 3/8-16

A-11506



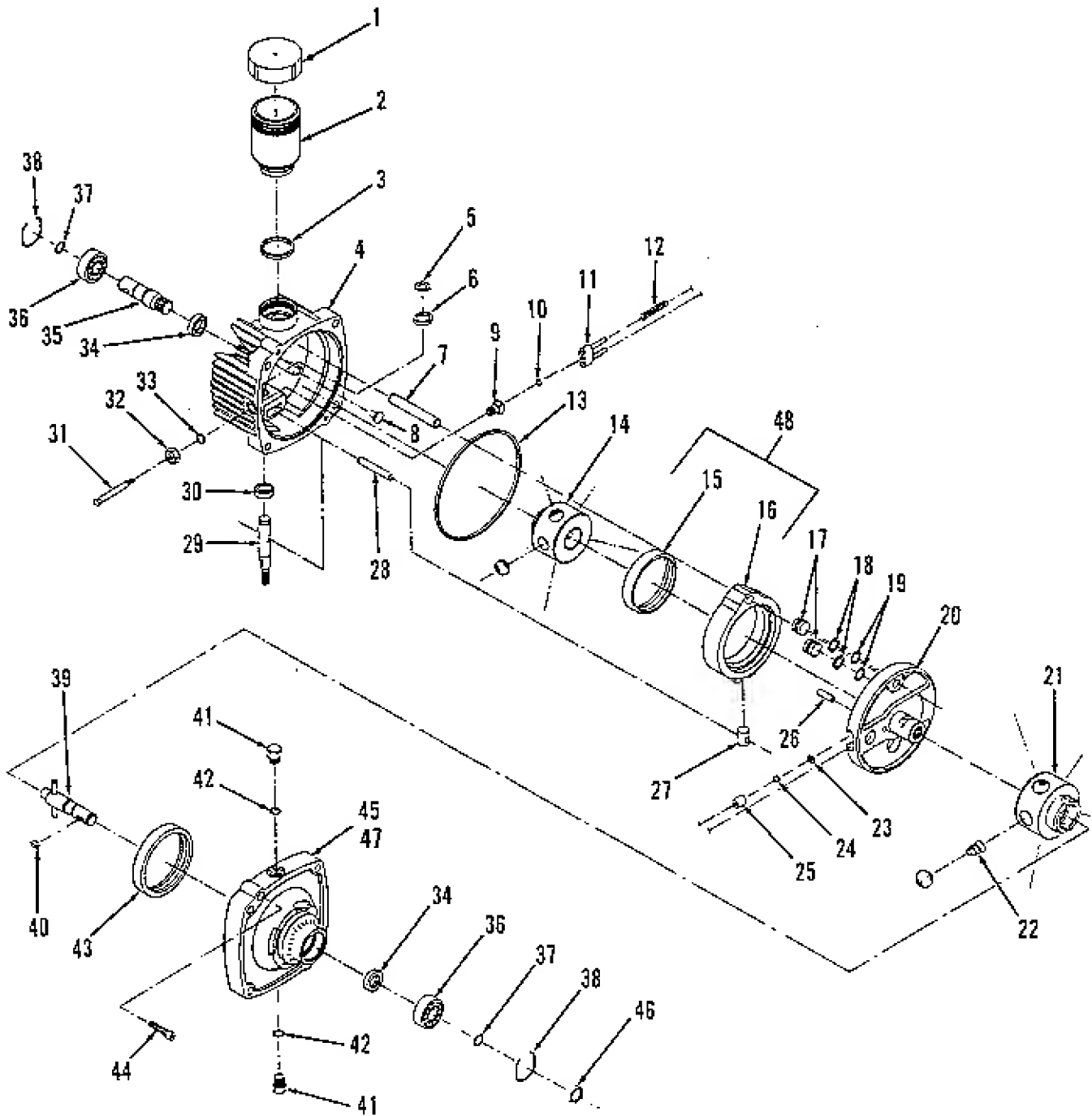
Ref. Nos. 5 & 6  
located on underside  
of platform.



Ref. No.	Part No.	Qty.	Description
1	1664935	1	DECAL, <i>Simplicity</i>
2	1678430	1	DECAL, Instrument Panel
3	1701578	1	DECAL, Side, R.H.
4	1701579	1	DECAL, Side, L.H.
5	1702570	1	DECAL, Drive Belts
6	1700226	1	DECAL, Stability
7		1	I.D. PLATE (Not Serviced)
8	1678460	1	DECAL, Caution & Controls
9	1701316	1	DECAL, Model No. 12 HP Hydro
10	1678459	1	DECAL, Steering Column
11		1	I.D. PLATE (Not Serviced)
12	1676921	1	DECAL, Danger
13		1	DECAL, OPEL (Not Serviced)
14	1676922	1	DECAL, Danger
	<b>Not Shown</b>		
	1700805	1	DECAL, "No Riders" (Located on back upper right hand corner of seat deck.)

**Touch-up Paint**

Paint Color	Spray Cans	Quarts	Case of 12 Spray Cans	Touch-Up Daubers 12/Cartron	
Classic Orange	1685558	1685560	1685559	1685562	6 Classic Orange
White	103049	1685032	1685178		6 White
Black	1685551	Not Avail.	1685552	Not Avail.	

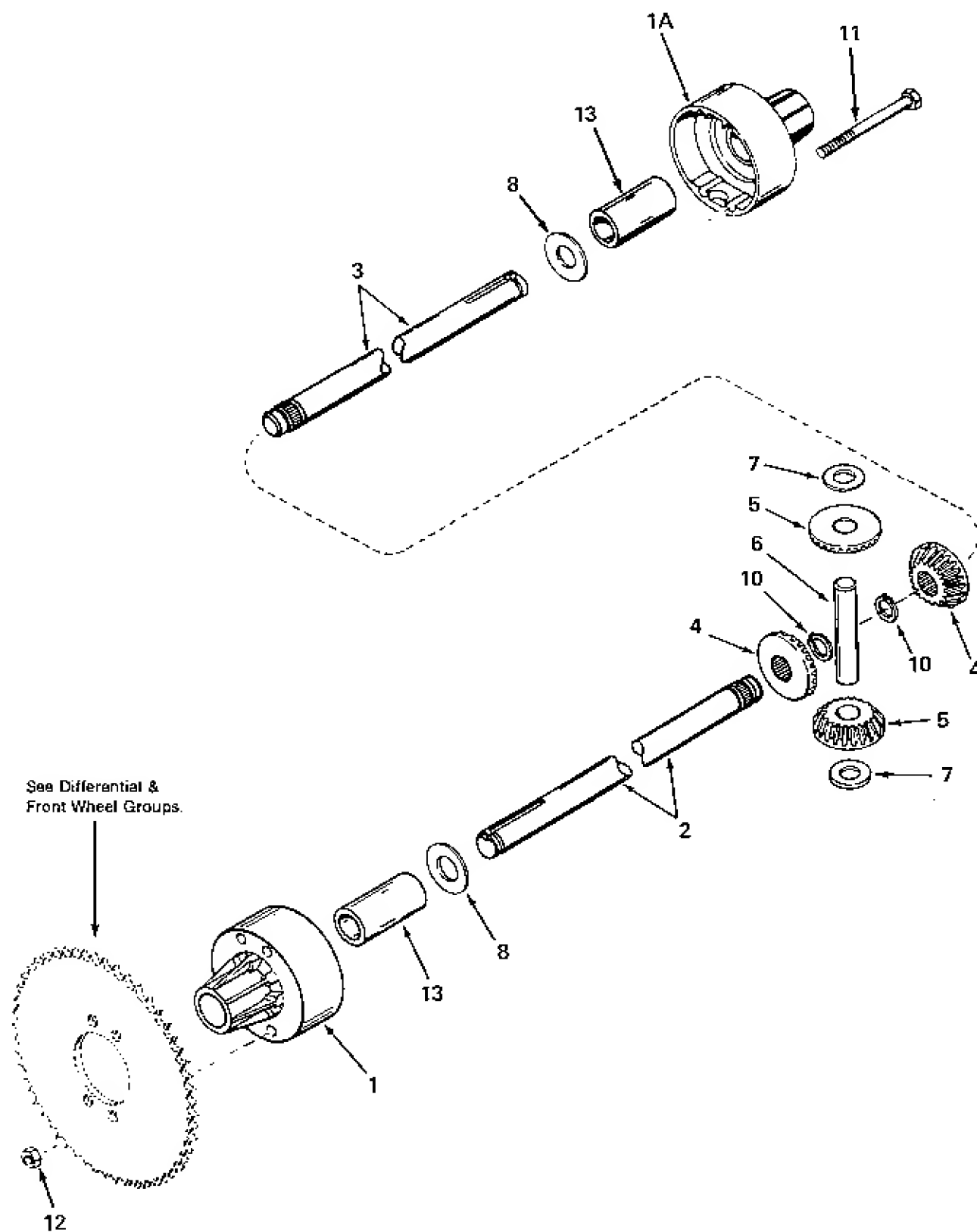


Ref. No.	Part No.	Qty.	Description
1	1700049	1	RESERVOIR COVER, Sub-Assy.
2	1700050	1	RESERVOIR BODY
** 3	1671282	1	SEAL RING, Square Cut
4	1671283	1	COVER, Service Kit (Includes Ref. Nos. 5, 6, 7, 28, 29, 30 & 34)
5	1671591	1	RING, External Retaining
6	1671284	1	WASHER, Control Shaft
* 7		1	DOWEL, Pivot Pin (Included in Ref. No. 4)
8	1671285	1	BUTTON
9	1671286	1	FITTING GUIDE, O-Ring, S.A.
**10	1671287	1	O-RING
11	1671588	1	BRACKET, Pins, Sub-Assy.
12	1671587	2	SPRING, Valve
**13	1671288	1	SEAL RING, Square Cut
14	1671289	1	PUMP ROTOR, Ball, Sub-Assy.
*15		1	PUMP RACE (Included in Ref. No. 50)
*16		1	RING, Cam (Included in Ref. No. 50)
*17		2	PISTON (Included in Ref. No. 20)
*18		2	RING, Back-Up (Included in Ref. No. 20)
*19		2	O-RING (Included in Ref. No. 20)
20	1671290	1	PINTLE, Sub-Assy. (Includes Ref. Nos. 17, 18, 19, 23, 24, 25 & 26)
21	1671291	1	MOTOR ROTOR, Ball, Sub-Assy. (Includes Qty. 5 of Ref. No. 22)
22	1671302	5	SPRING, Piston
*23		2	RING, Retaining (Included in Ref. No. 20)
*24		2	BALL, Grade 200 (5/16 Dia.) (Included in Ref. No. 20)
*25		2	VALVE BODY, Check (Included in Ref. No. 20)
*26		1	PIN, Coil (5/16 x 3/4) (Included in Ref. No. 20)
27	1671301	1	CAM RING, Insert
*28		1	DOWEL (3/8 x 1-3/4) (Included in Ref. No. 4)
*29		1	SHAFT, Control (Included in Ref. No. 4)
30	1671300	1	SEAL, Oil
31	1671299	1	SHAFT, Dump Valve
32	1671298	1	NUT, Gasket, Sub-Assy.
**33	1671297	1	O-RING
**34	1671296	2	SEAL, Oil
35	1671295	1	SHAFT, Input
36	1671294	2	BEARING, Ball (Input)
37	1671293	2	RING, Snap
38	1671292	2	RING, Retaining
39	1671309	1	OUTPUT SHAFT, Sub-Assy.
40		1	KEY, Woodruff (See Page 13, Ref. No. 14)
41	1671303	2	O-RING, Sub Assy.
**42	1671304	2	TUBE FITTING, O-Ring
43	1671589	1	MOTOR RACE
44	1671310	2	CAPSCREW, Socket Hd.
45	1671305	1	BODY
46	1671306	1	SPACER
47	1671590	1	BODY, Sub-Assy. (Includes Ref. Nos. 34, 36, 37, 38, 39, 43 & 45)
48	1671588	1	CAM RING, Sub-Assy. (Includes Ref. Nos. 15 & 16)

\*Not Serviced Separately.

\*\*Available in 1695260 Replacement Seal Kit (Also includes Ref. No. 12, page 14.)

NOTE: Use *Simplicity* Multi-Purpose Hydraulic/Transmission Oil in hydro transmission.






Ref. No.	Part No.	Qty.	Description
1	774344	1	HOUSING, Differential Carrier (Incl. Ref. No. 13)
1A	774345	1	HOUSING, Differential Carrier (Incl. Ref. No. 13)
2	774704	1	AXLE (8/78" Long)
3	774705	1	AXLE (22-1/4" Long)
4	778221	2	GEAR, Bevel
5	778068	2	GEAR, Pinion
6	786040	1	PIN, Drive
7	780096	2	WASHER, Thrust
8	780001	2	WASHER
10	792018	2	RING, Snap
11	792044	4	SCREW, Flanged Hex Hd., 5/16-18 x 3-15/16
12	792042	4	NUT, Lock, 5/16-18
13	780077	2	BUSHING

**NOTE:** Above listed parts must be ordered from your local Tecumseh/Peerless distributor. Service, warranty and parts for Peerless products are not handled by Simplicity.



**TORQUE SPECIFICATIONS FOR  
STANDARD MACHINE HARDWARE**  
TOLERANCE  $\pm 20\%$

SIZE	SAE GRADE #2 	SAE GRADE #5 	SAE GRADE #8 
8-32	19 In. Lbs.	30 In. Lbs.	41 In. Lbs.
8-36	20 "	31 "	43 "
10-24	27 "	43 "	60 "
10-32	31 "	49 "	68 "
1/4-20	66 "	8 Ft. Lbs	12 Ft. Lbs.
1/4-28	76 "	10 "	14 "
5/16-18	11 Ft. Lbs	17 "	25 "
5/16-24	12 "	19 "	25 "
3/8-16	20 "	30 "	45 "
3/8-24	23 "	35 "	50 "
7/16-14	30 "	50 "	70 "
7/16-20	35 "	55 "	80 "
1/2-13	50 "	75 "	110 "
1/2-20	55 "	90 "	120 "
9/16-12	65 "	110 "	150 "
9/16-18	75 "	120 "	170 "
5/8-11	90 "	150 "	220 "
5/8-18	100 "	180 "	240 "
3/4-10	160 "	260 "	386 "
3/4-16	180 "	300 "	420 "
7/8-9	140 "	400 "	600 "
7/8-14	155 "	440 "	660 "
1-8	220 "	580 "	900 "
1-12	240 "	640 "	1,000 "

**NOTE:**

- These torque values are to be used for all *Simplicity* hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
  - For prevailing torque locknuts - use 65% of grade 5 torques.
  - For flange whizlock nuts (and screws) - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

**BOLT HEAD MARKING**

**S.A.E. GRADE:**

2 

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**SIMPLICITY MANUFACTURING, INC.**  
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